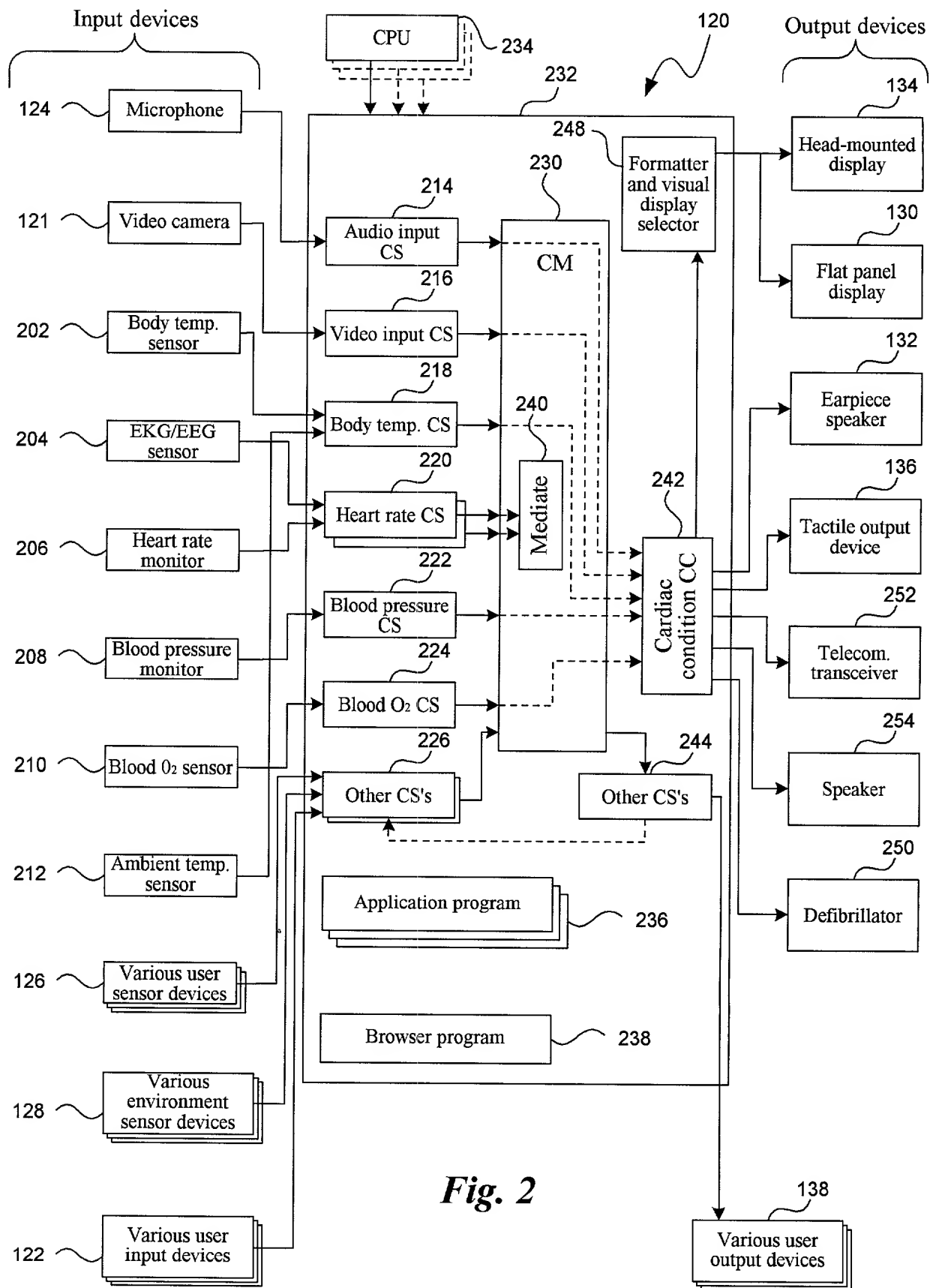
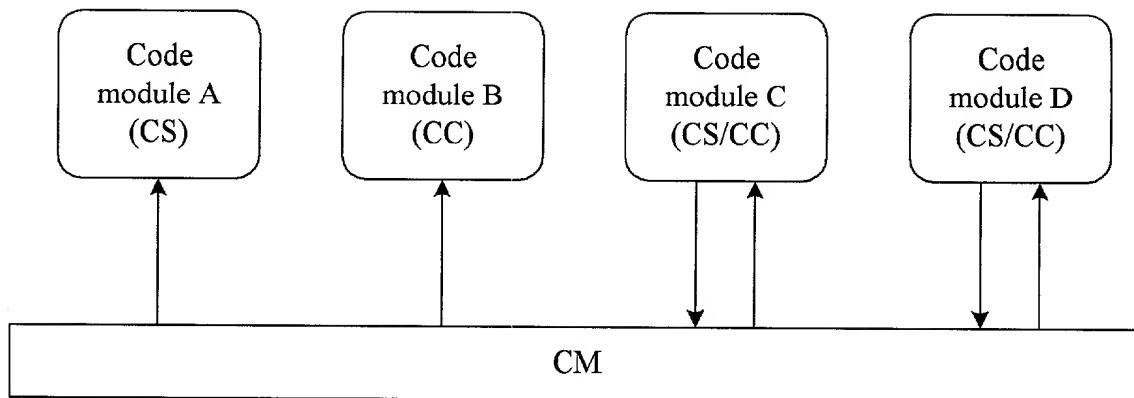


Fig. 1

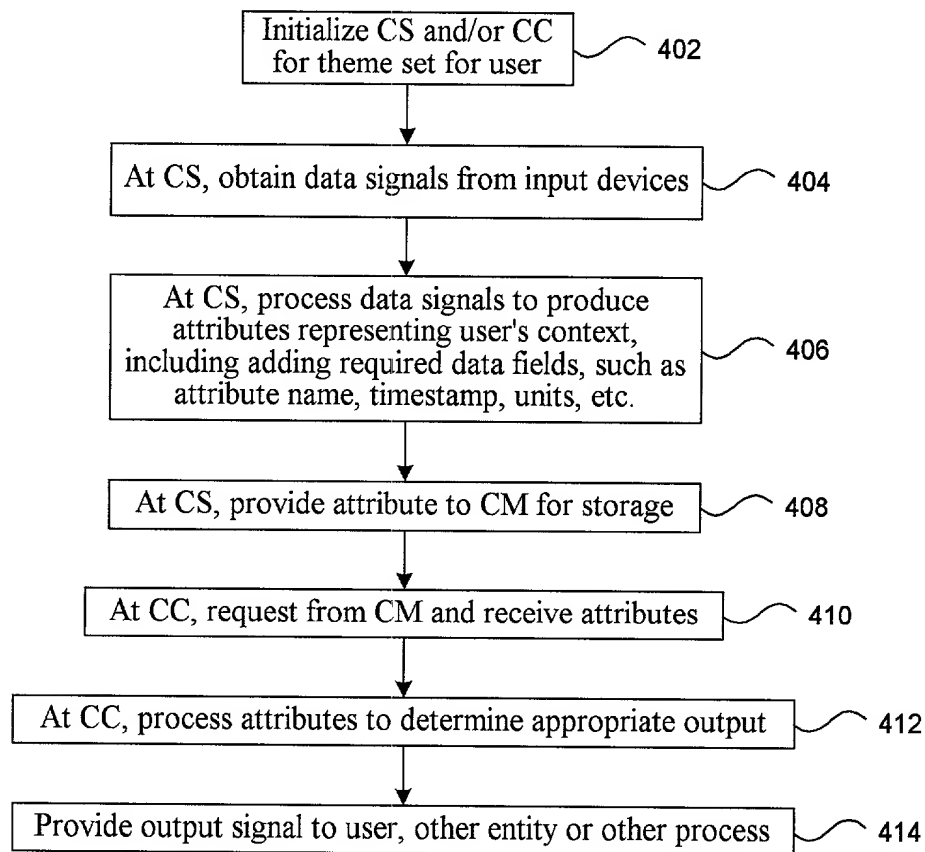


**Fig. 2**



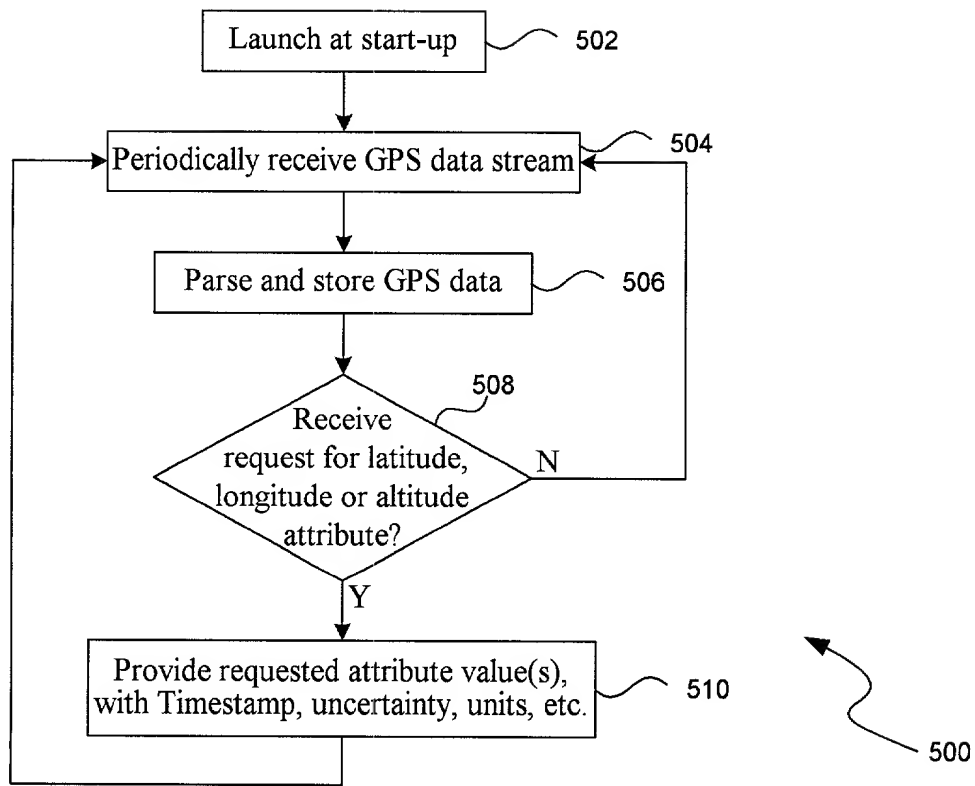
**Fig. 3**

300

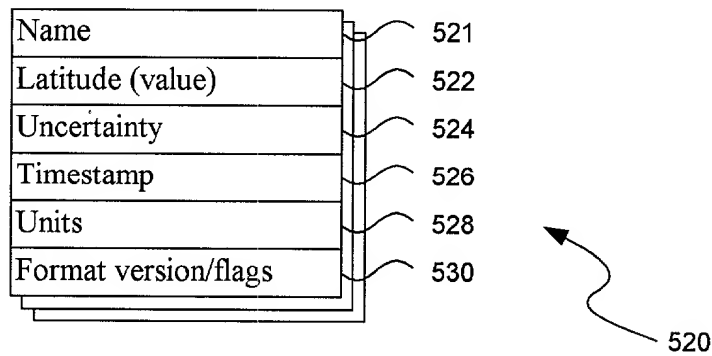


**Fig. 4**

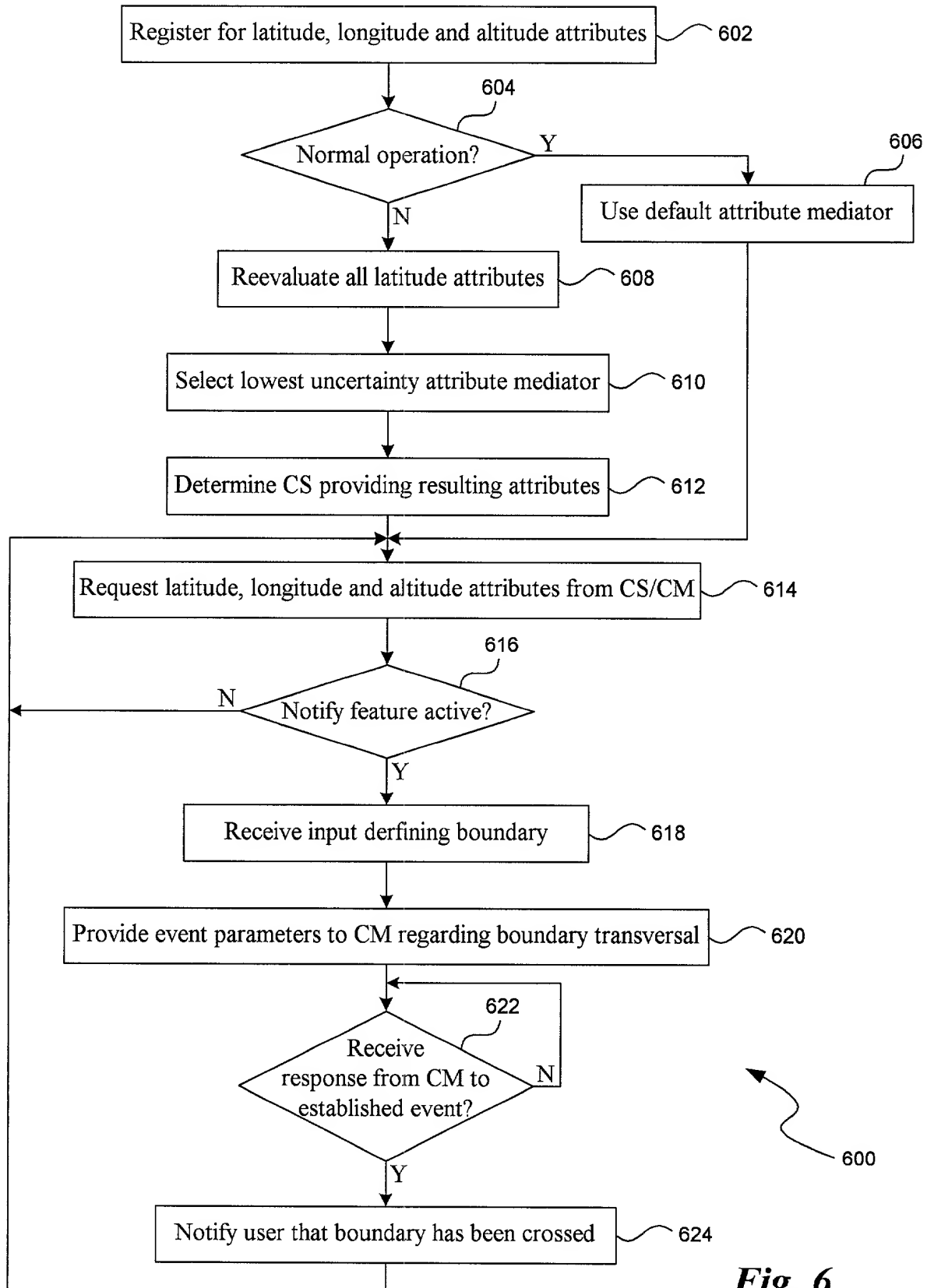
400



**Fig. 5A**



**Fig. 5B**



**Fig. 6**

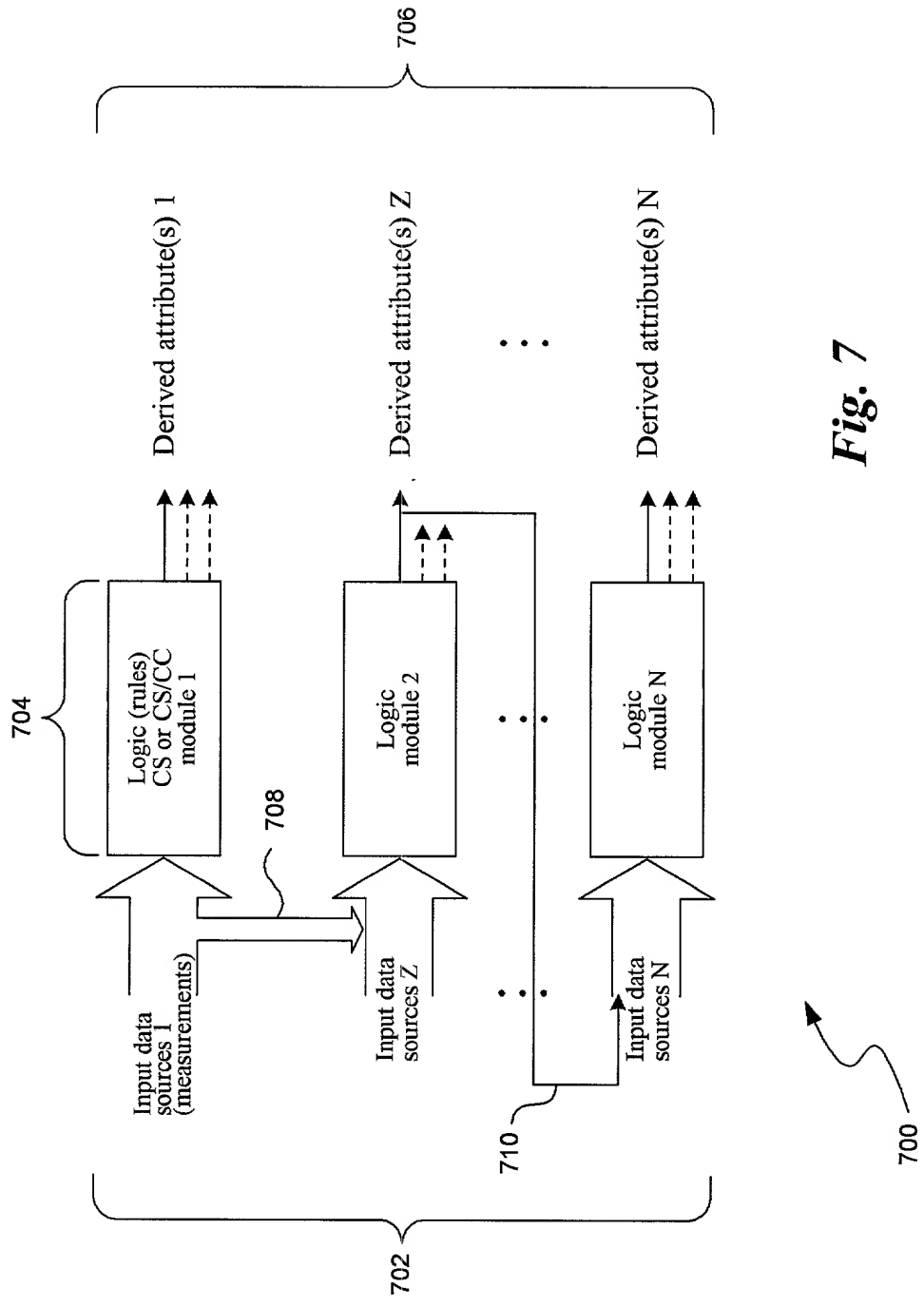


Fig. 7

**User.**

Desired\_privacy\_level  
Interruptibility  
Speed  
Direction  
Acceleration  
Availability.  
    Cognitive\_availability  
    Tactile\_availability  
    Manual\_availability  
    Visual\_availability  
    Oral\_availability  
    Auditory\_availability  
Proximity.<Item or place name>  
Mood.

    Happiness  
    Sadness  
    Anger  
    Frustration  
    Confusion

**Activity.**

    Driving  
    Eating  
    Running  
    Sleeping  
    Talking  
    Typing  
    Walking

**Location.**

    Place\_name  
    Latitude  
    Longitude  
    Altitude  
    Room  
    Floor  
    Building  
    Address  
    Street  
    City  
    County  
    State  
    Country  
    Postal\_Code

Destination. (same as User.Location.)

**Physiology.**

    Pulse  
    Body\_temperature  
    Blood\_pressure  
    Respiration

**Person.**<name or ID>. (same as User.)

**Platform.**

**UI.**

    Oral\_input\_device\_availability  
    Manual\_input\_device\_availability  
    Tactile\_output\_device\_availability  
    Visual\_output\_device\_availability  
    Auditory\_output\_device\_availability

**Platform.** (continued)

**CPU.**

    Load  
    Speed

**Memory.**

    Total\_capacity  
    Used

**Storage.**

    Total\_capacity  
    Used

**Connectivity.**

    Connection\_status  
    Connection\_speed  
    Connection\_type/device  
    Connection\_activity

**Power.**

    Power\_source  
    Power\_level

**Environment.**

**People.**

    Nearest  
    Number\_present  
    Number\_close

**Local.**

    Time  
    Date  
    Temperature  
    Pressure  
    Wind\_speed  
    Wind\_direction  
    Absolute\_humidity  
    High\_forecast\_temperature  
    Low\_forecast\_temperature  
    People\_present  
    Ambient\_noise\_level  
    Ambient\_light\_level  
    Days.<previous or future>.  
        High\_temperature  
        Low\_temperature  
        Precipitation\_type  
        Precipitation\_amount

Place.<place name>. (same as Environment.Local)

**Application.**

**Mail.**

    Available  
    New\_messages\_waiting  
    Messages\_waiting\_to\_be\_sent

**Phone.**

    Available  
    In\_use  
    On/off  
    Notification\_mechanism  
    Call\_incoming  
    Caller\_ID

**Sound\_recorder.**

    Available  
    Recording

*Fig. 8*

## User Setting

- Mental Context
  - Meaning
  - Cognition
    - Divided User Attention
    - Task Switching
    - Background Awareness
  - Solitude
  - Privacy
    - Desired Privacy
    - Perceived Privacy
  - Social Context
  - Affect
- Physical Situation
  - Body
    - Biometrics
    - Posture
    - Motion
    - Physical Encumberment
    - Senses
      - Eyes
      - Ears
      - Tactile
      - Hands
      - Nose
      - Tongue
    - Workload demands/effects
    - Interaction with computer devices
    - Interaction with people
    - Physical Health
- Environment
  - Time/Space
  - Objects
  - Persons
    - Audience/Privacy Availability
    - Scope of Disclosure
    - Hardware affinity for privacy
    - Privacy Indicator for User
    - Privacy Indicator for Public
    - Watching Indicator
    - Being Observed Indicator
- Ambient Interference
  - Visual
  - Audio
  - Tactile

## Computer

- Power
- Configuration
  - User Input Systems
    - Hand/Haptic
      - Keyboard/Keystrokes
    - Voice/Audio
    - Eye Tracking
    - Cursors
      - Axis
      - Resolution
      - Selection
      - Invocation
    - Accelerators
  - Output Systems
    - Visual
      - Resolution
    - Audio
      - Public/Private
    - Haptic
  - External Resources
    - I/O devices
    - Connectivity
- Data
  - Quantity/State
  - Urgency/Importance
    - Use of Prominence
  - Modality
  - Sensitivity/Purpose
    - Privacy Issues
    - Use of Association
    - Use of Safety
  - Source/Ownership
    - Types
      - User generated
      - Other computers or people
      - Sensor
      - PC State
      - Use of Association

**Fig. 9**



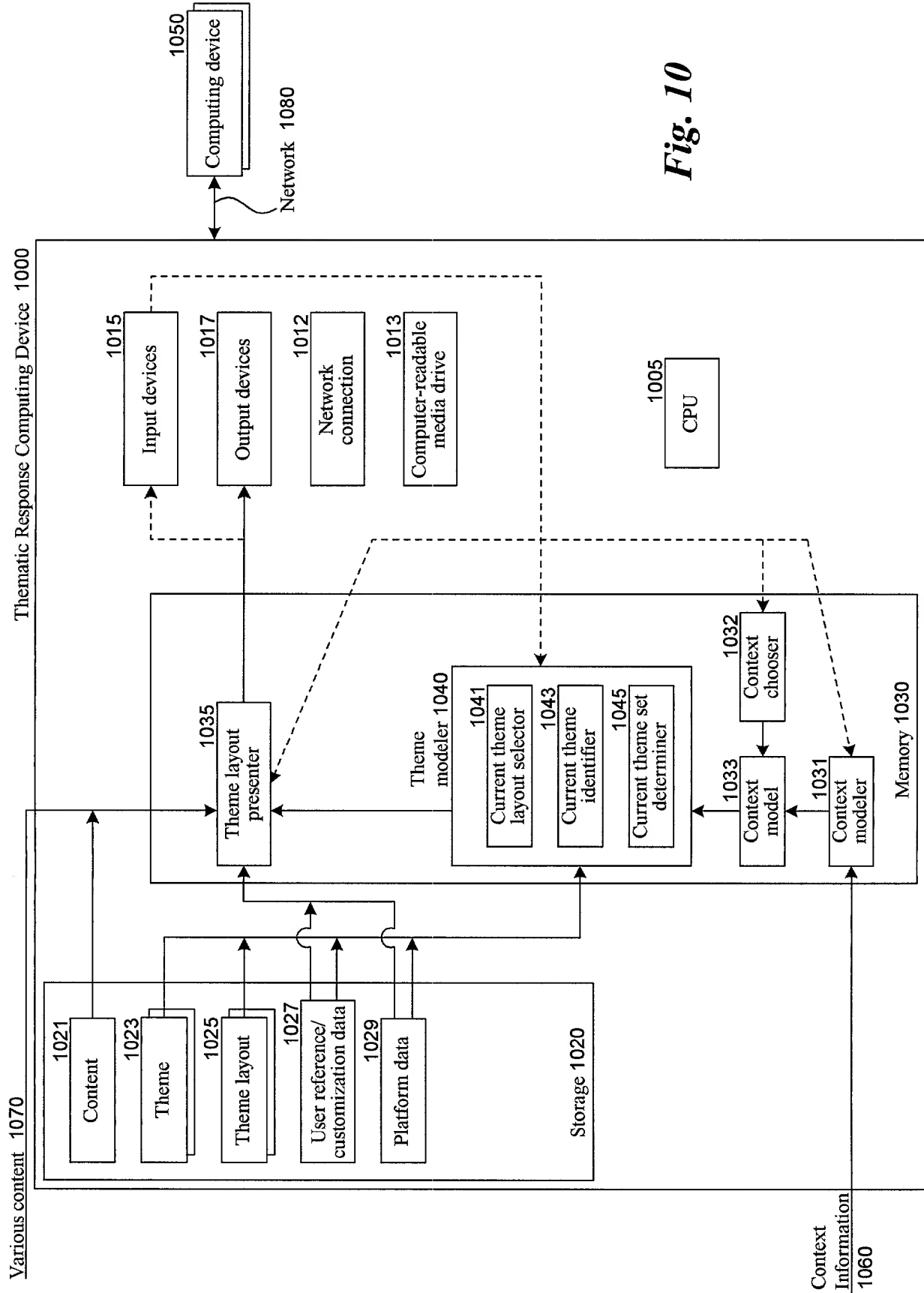
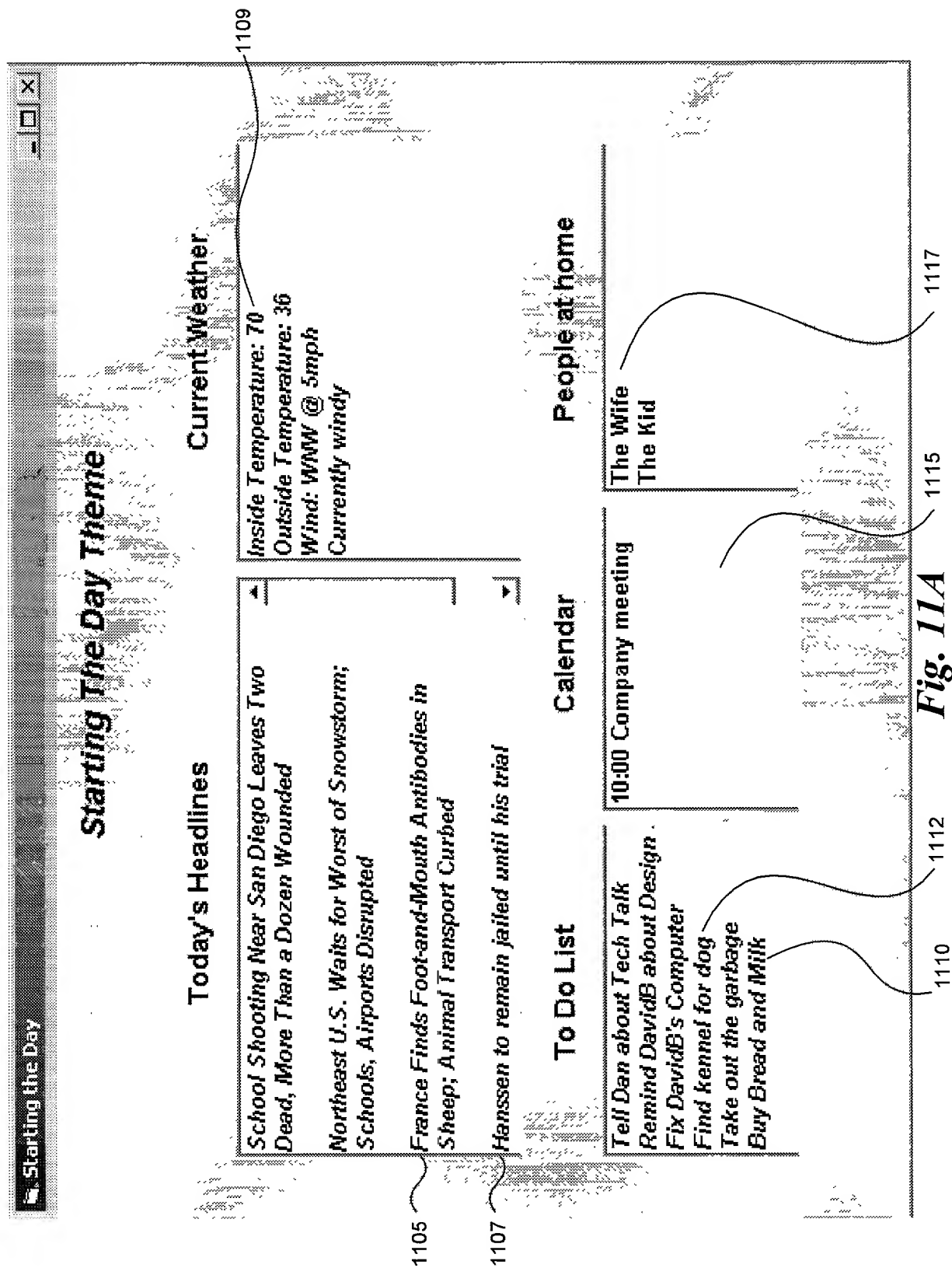


Fig. 10



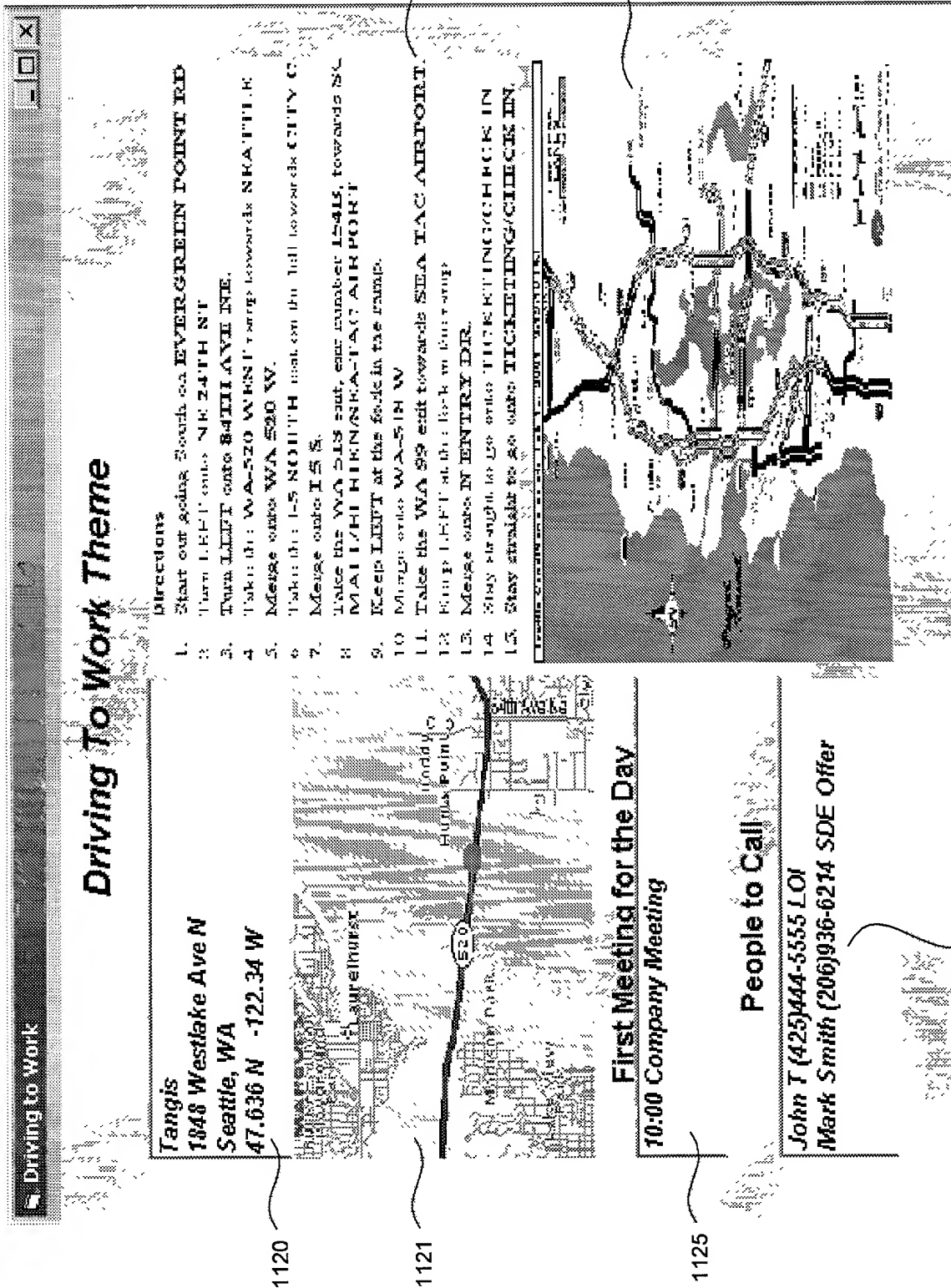


Fig. 11B

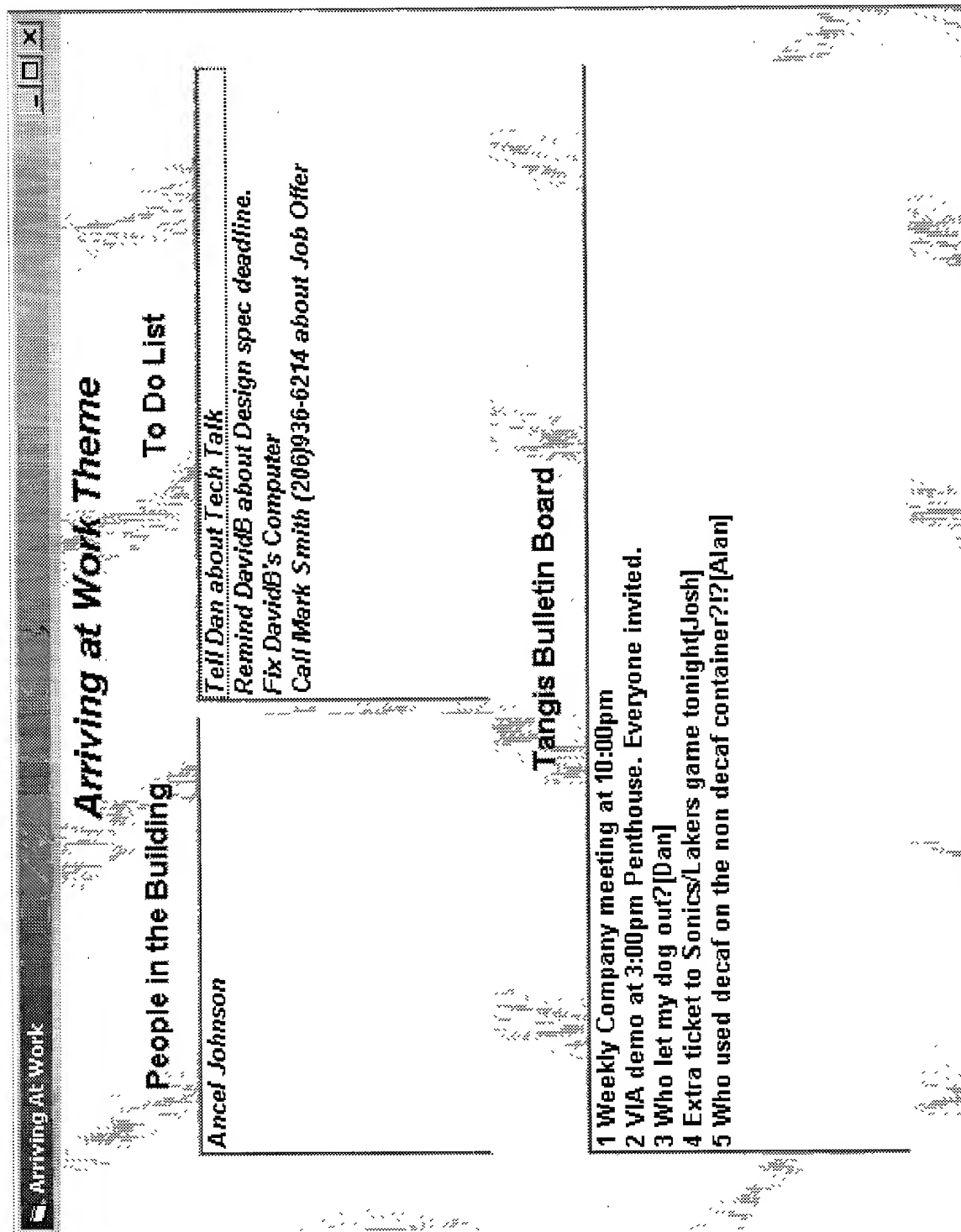


Fig. 11C

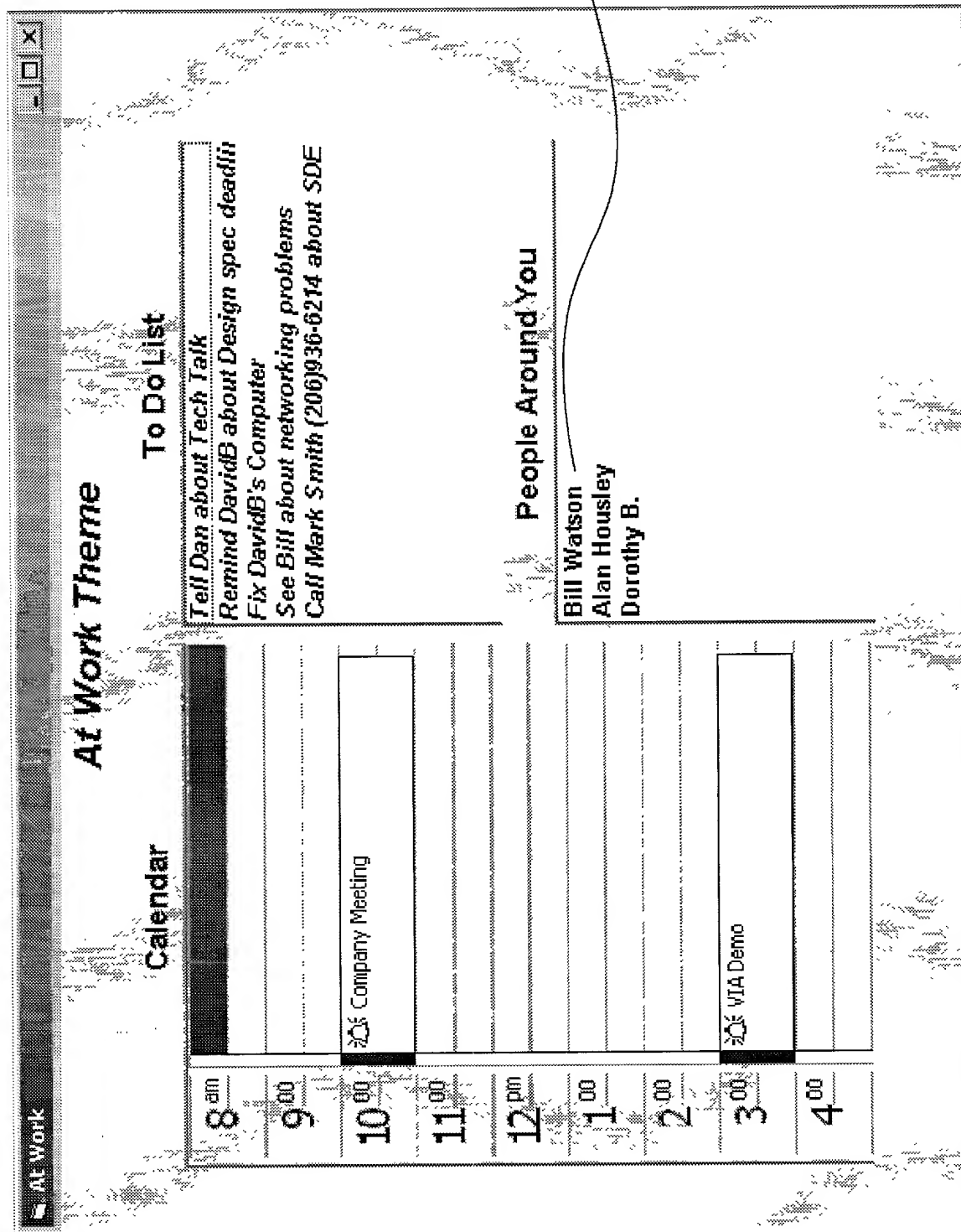
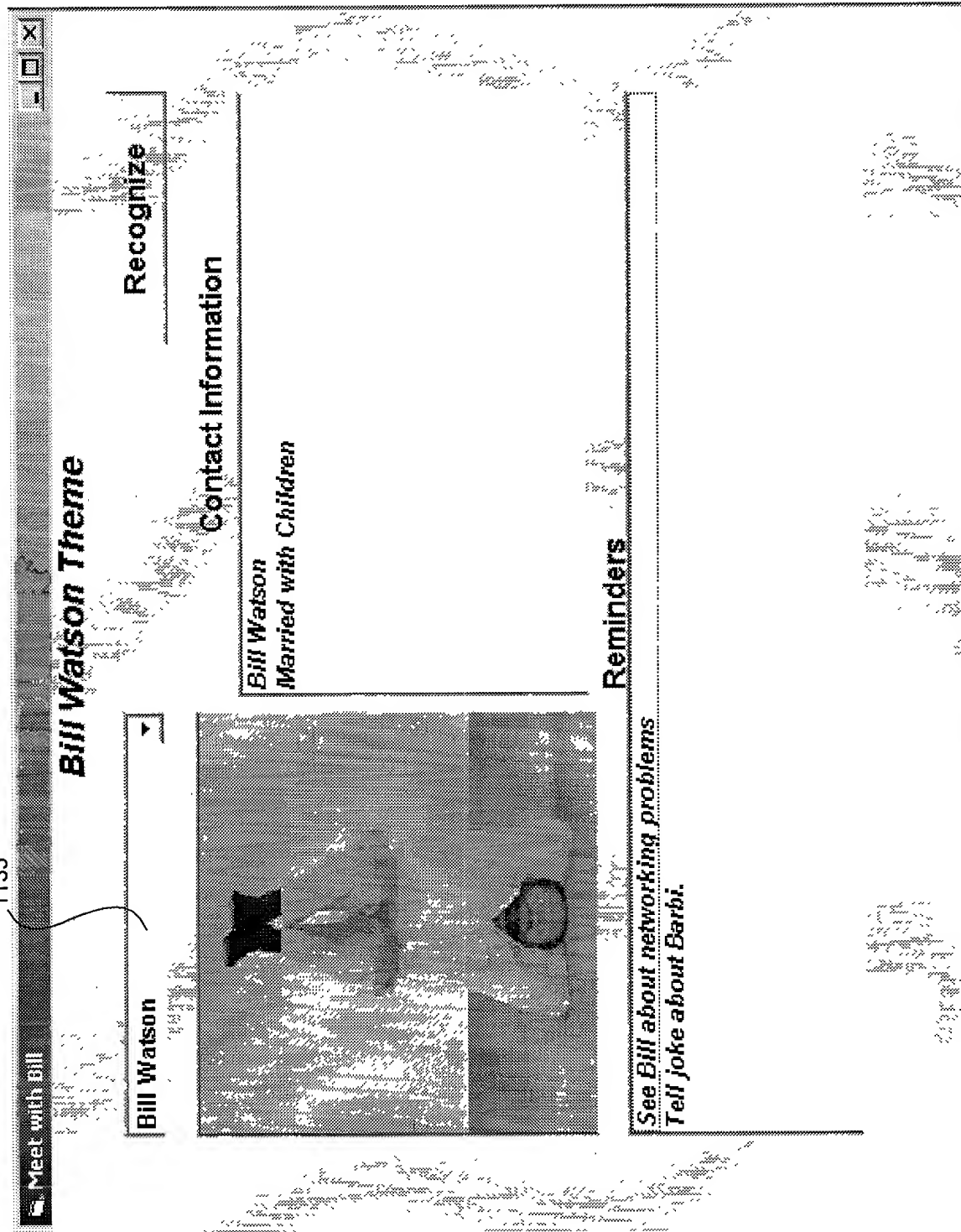


Fig. 11D

1135



**Fig. 11E**

Company Meeting	
Meeting Theme	
Things to bring up	People Present
<p>Tell group what you did last week</p> <p>Tell group what you plan to do this week</p> <p>Tell group about your new invention.</p> <p>Tell group about your upcoming skiing trip.</p> <p>Kudos for Stan and Dorothy for finishing report</p>	<p>Aaron Graves</p> <p>Alan Housley</p> <p>Ancel Johnson</p> <p>Bill Watson</p> <p>Brian Rose</p> <p>Cesar Alvarez</p> <p>Dan Newell</p> <p>David Jukes</p> <p>Dorothy B.</p> <p>Jaquie T.</p> <p>Jeff Fried</p> <p>Jim Roberts</p> <p>Johnson A.</p> <p>Josh Freedman</p> <p>Kanisha Patel</p> <p>Ken Abbott</p> <p>Lisa Davis</p> <p>Molly Fitch</p> <p>Scott Price</p> <p>Stan Emert</p>
<p><b>Notes</b></p> <p>Finished coding Turing Machine on Monday.</p> <p>Did bug bash on Tuesday.</p> <p>Survived an earthquake on Wednesday.</p> <p>Worked on CTK demo rest of last week</p> <p>Continuing work on CTK demo rest of this week</p>	

1137

Fig. 11F

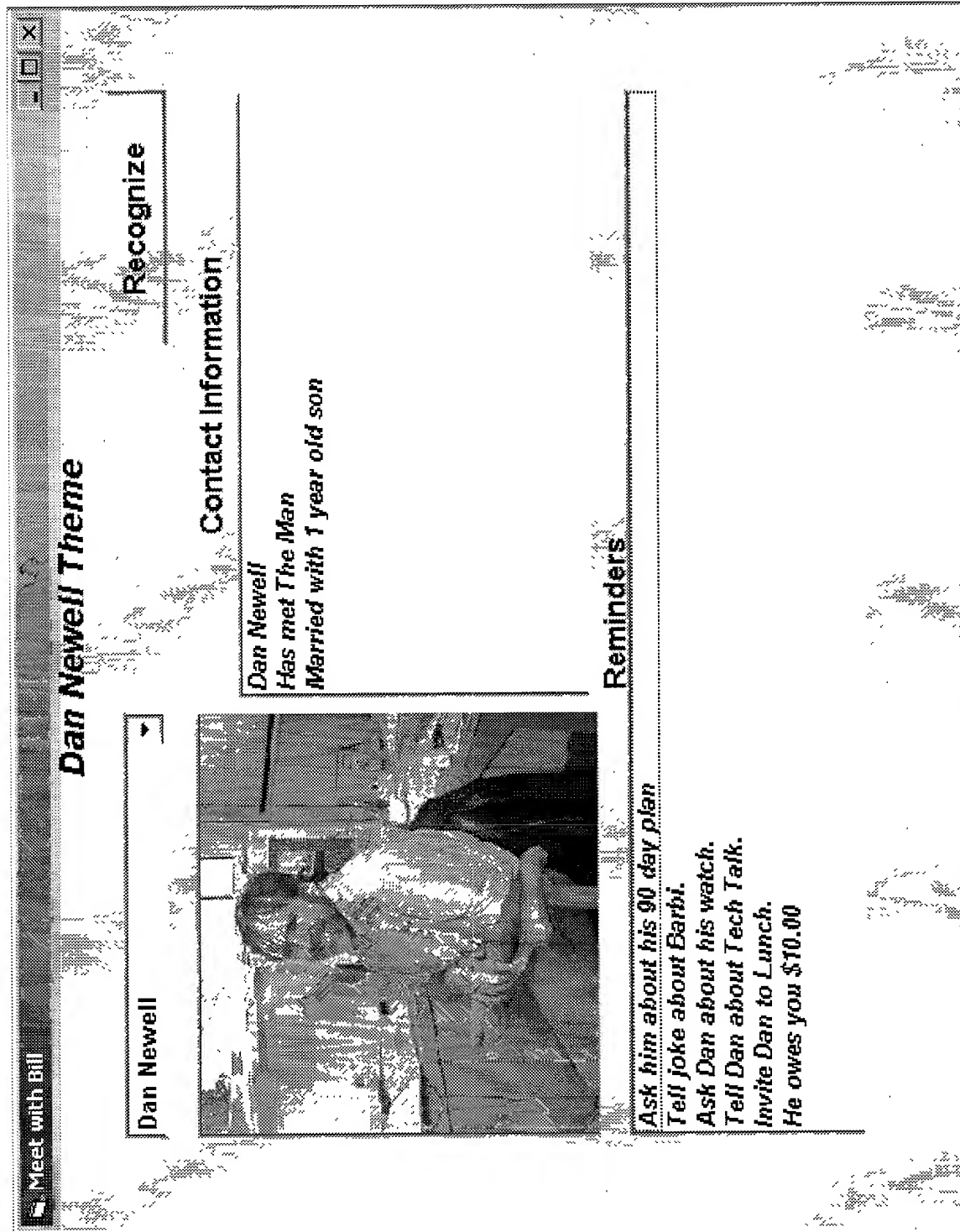


Fig. 11G



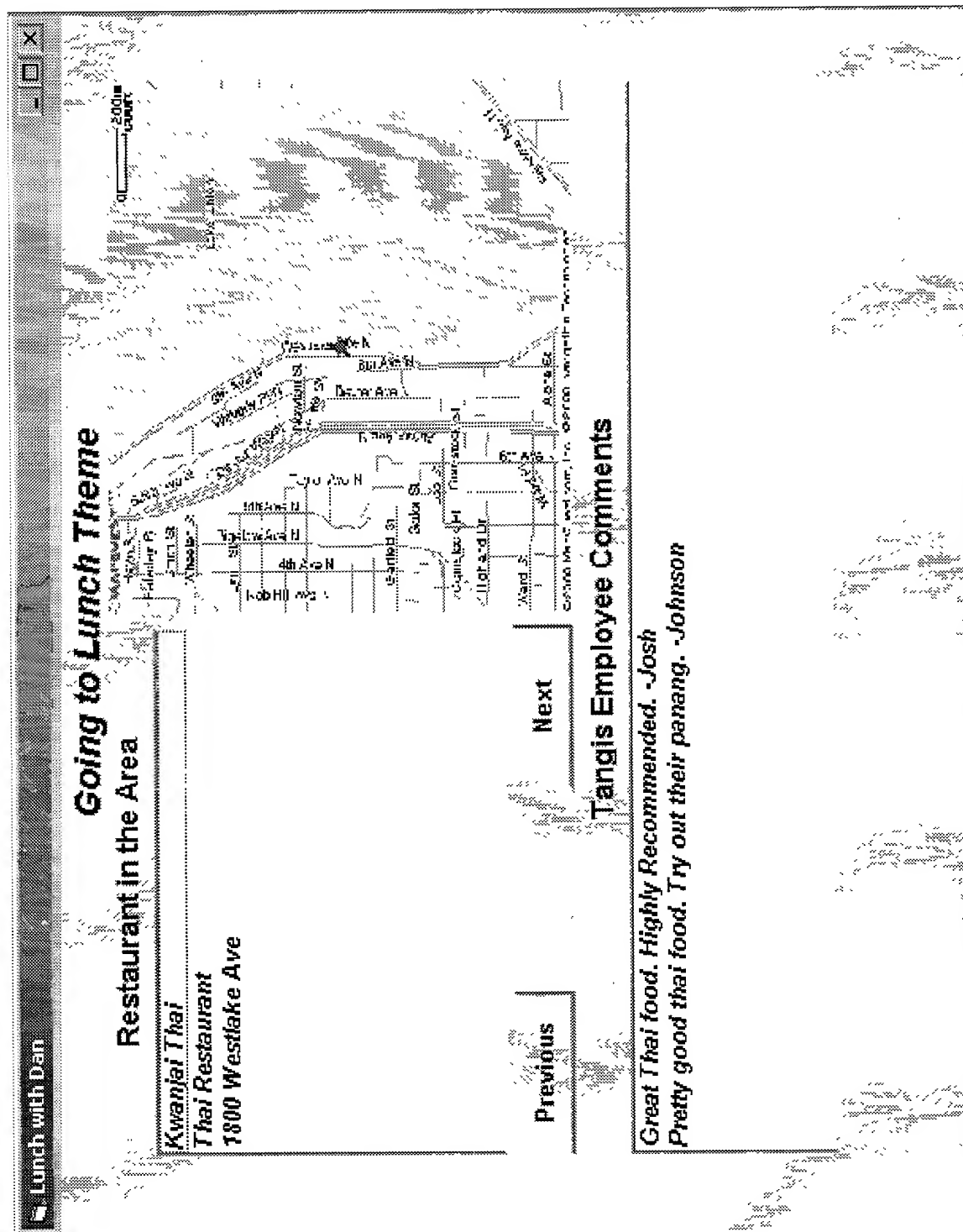


Fig. 11H

Repairing a PC

Repairing a PC Theme

Computer Equipment

Josh's Computer

Notes

Dell XPS 4000

Purchase Date: 11/20/2000

Tangis Tag: PC001

Software Installed

Office 2000

Visual Studios 6.0

MS Entertainment Pack

Boeing Marketing Tutorial: How to talk like a techie

Hardware Installed

Creative Sound Blaster 10.0 card

Ricoh 32X CDRW

MS USB Microphone

Intel TR1688 100Mbps Token Ring

Currently inoperative

Josh noticed a loud noise coming from the hard disk.

He said it might be a problem with the disk's brake pads.

If he mentions this again, humor him.

Fig. 111

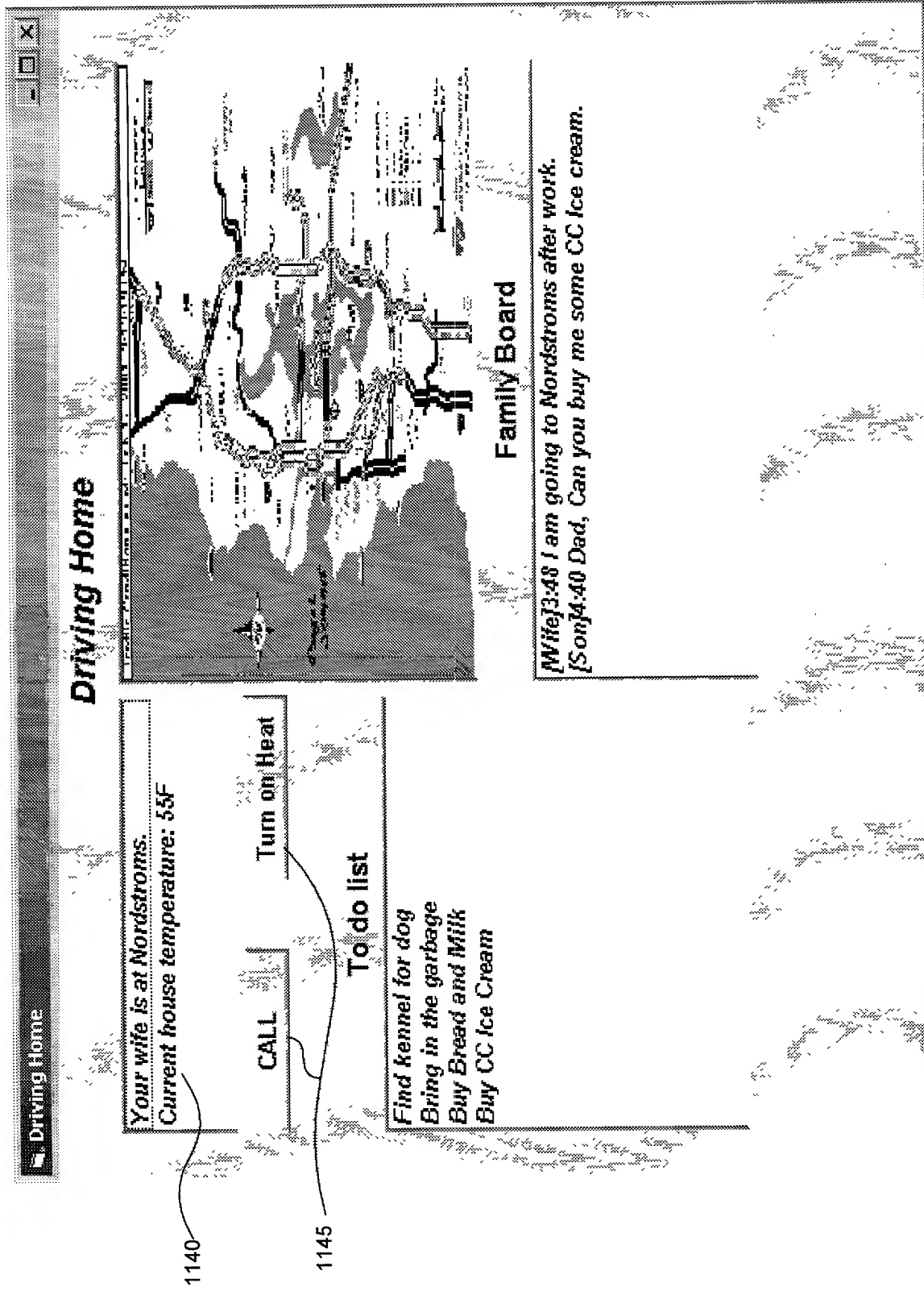
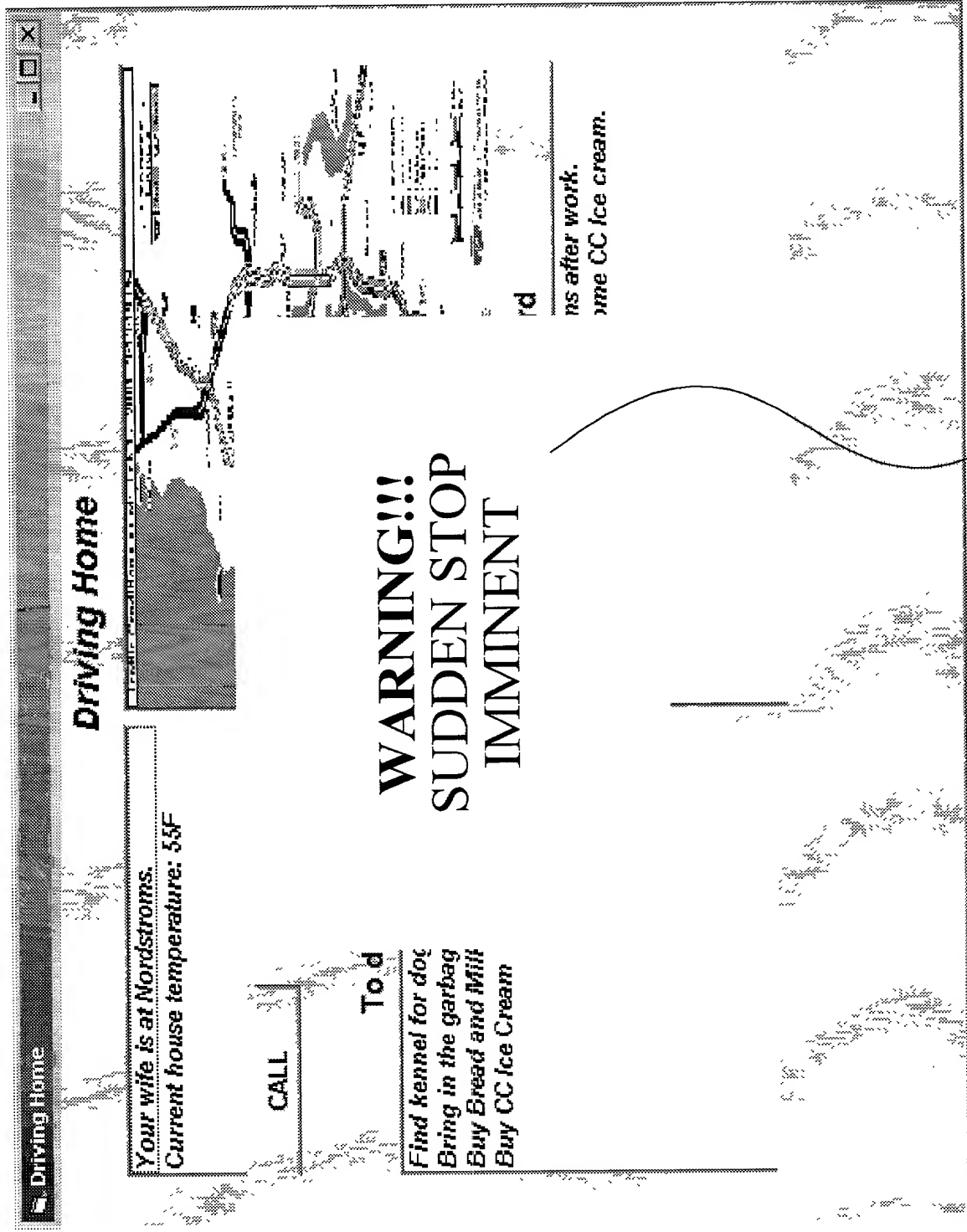


Fig. 11J



1190

**Fig. 11K**

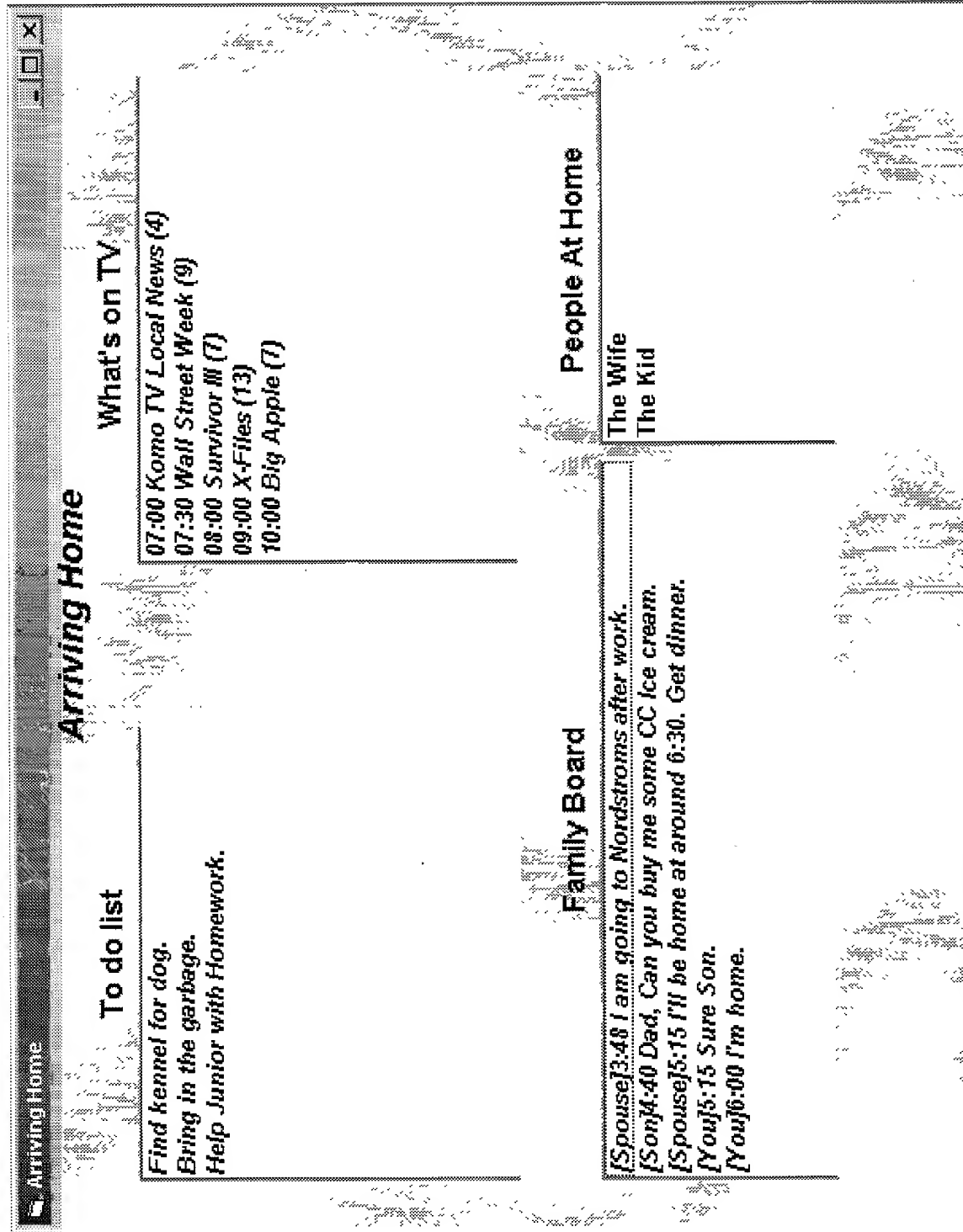
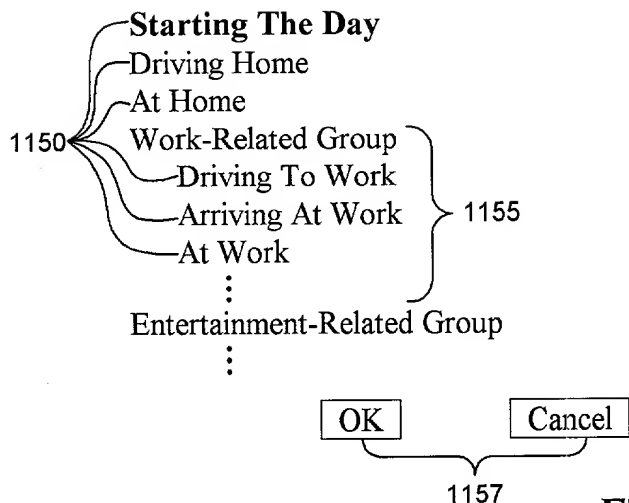


Fig. 11L

Example Current Theme Selection

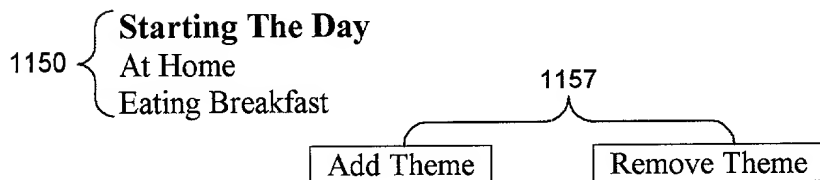
*Select A New Current Theme*



*Figure 11M*

Example Current Theme Set Modification

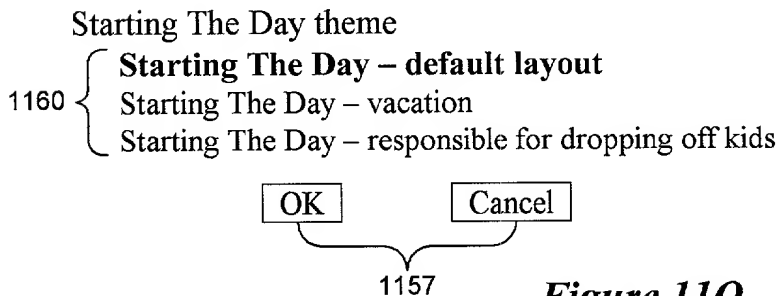
*Current Theme Set*



*Figure 11N*

Example Current Theme Layout Selection

*Select A New Current Theme Layout*



*Figure 11O*

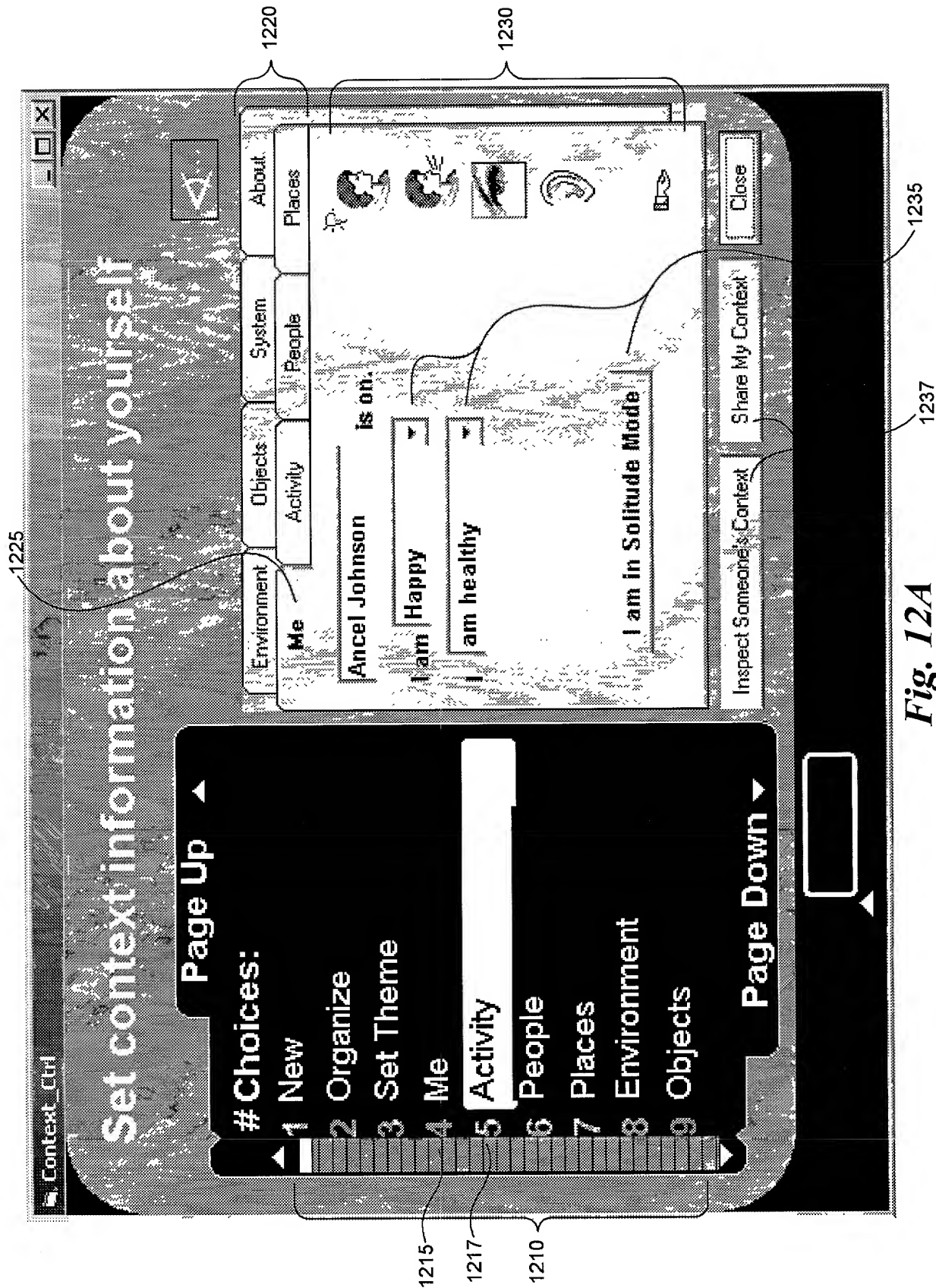


Fig. 12A

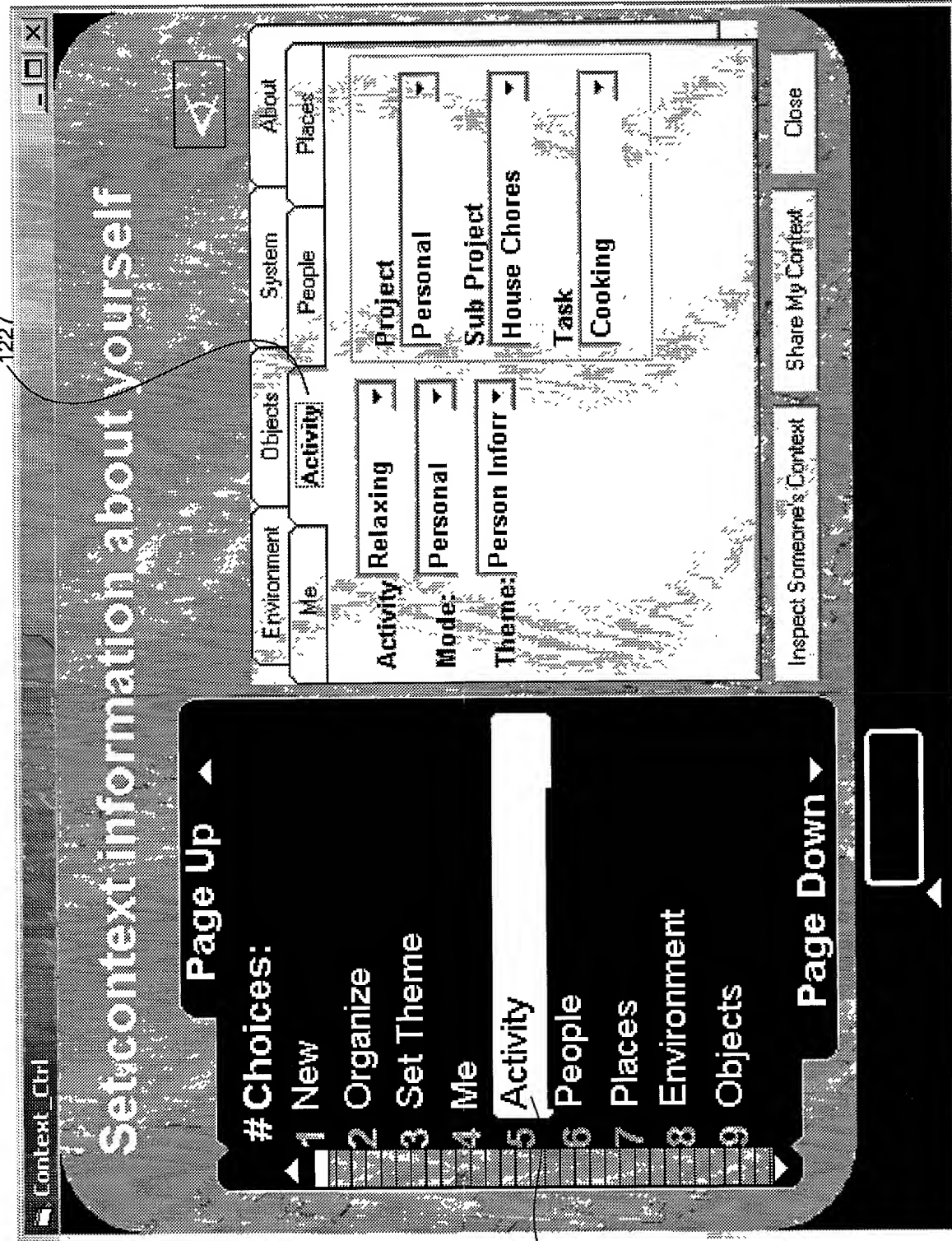


Fig. 12B



1241

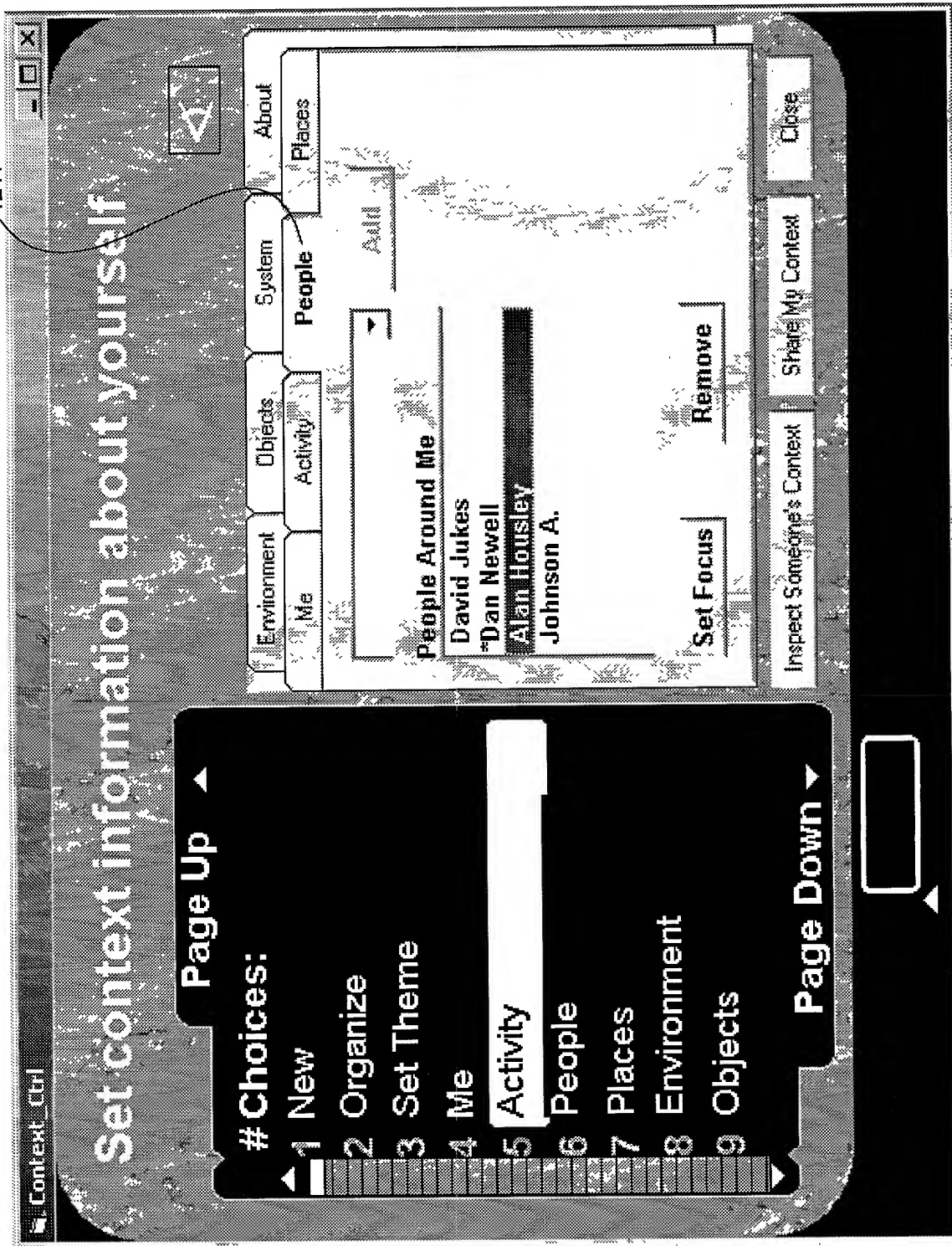


Fig. 12C

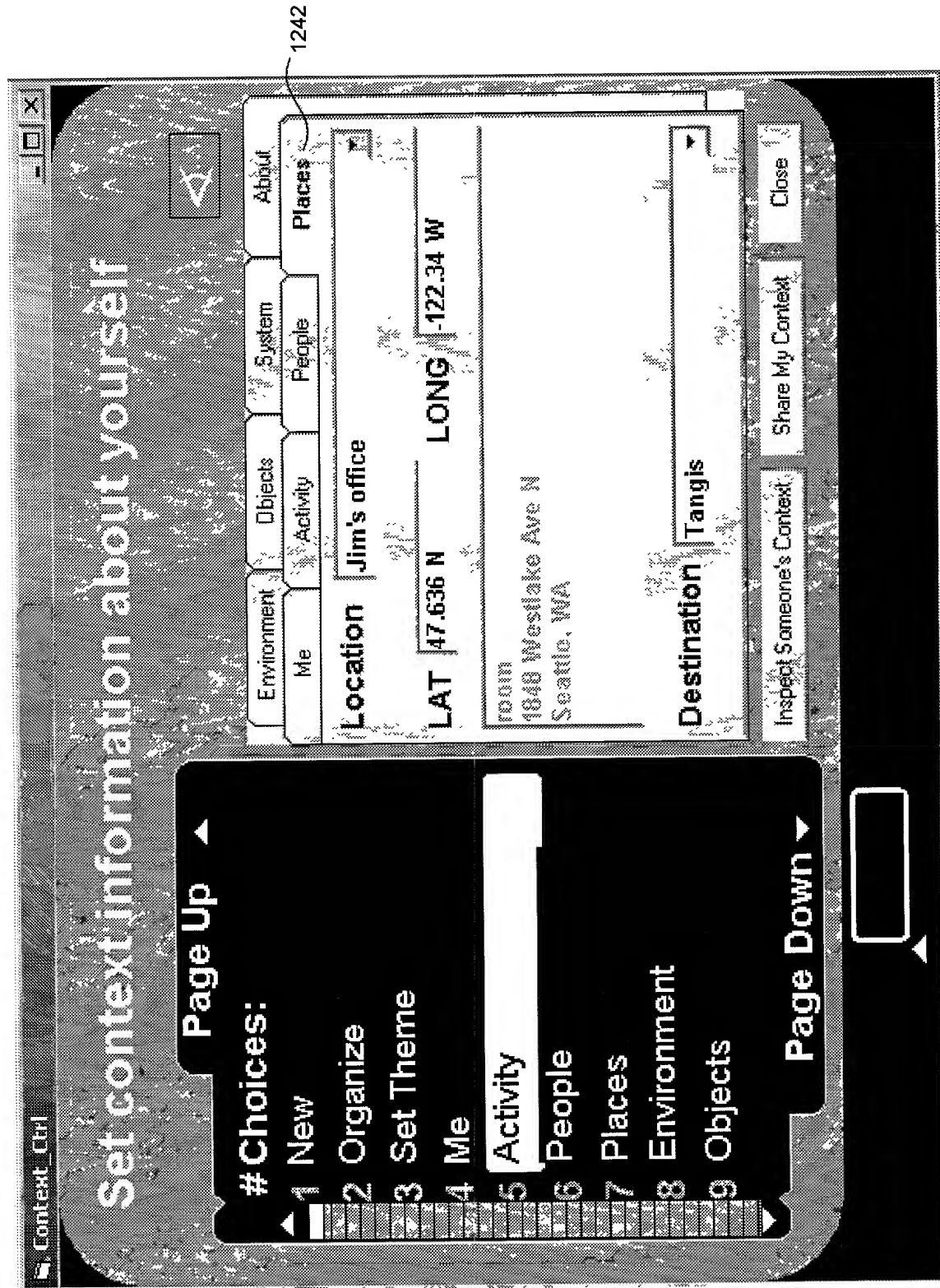


Fig. 12D

1243

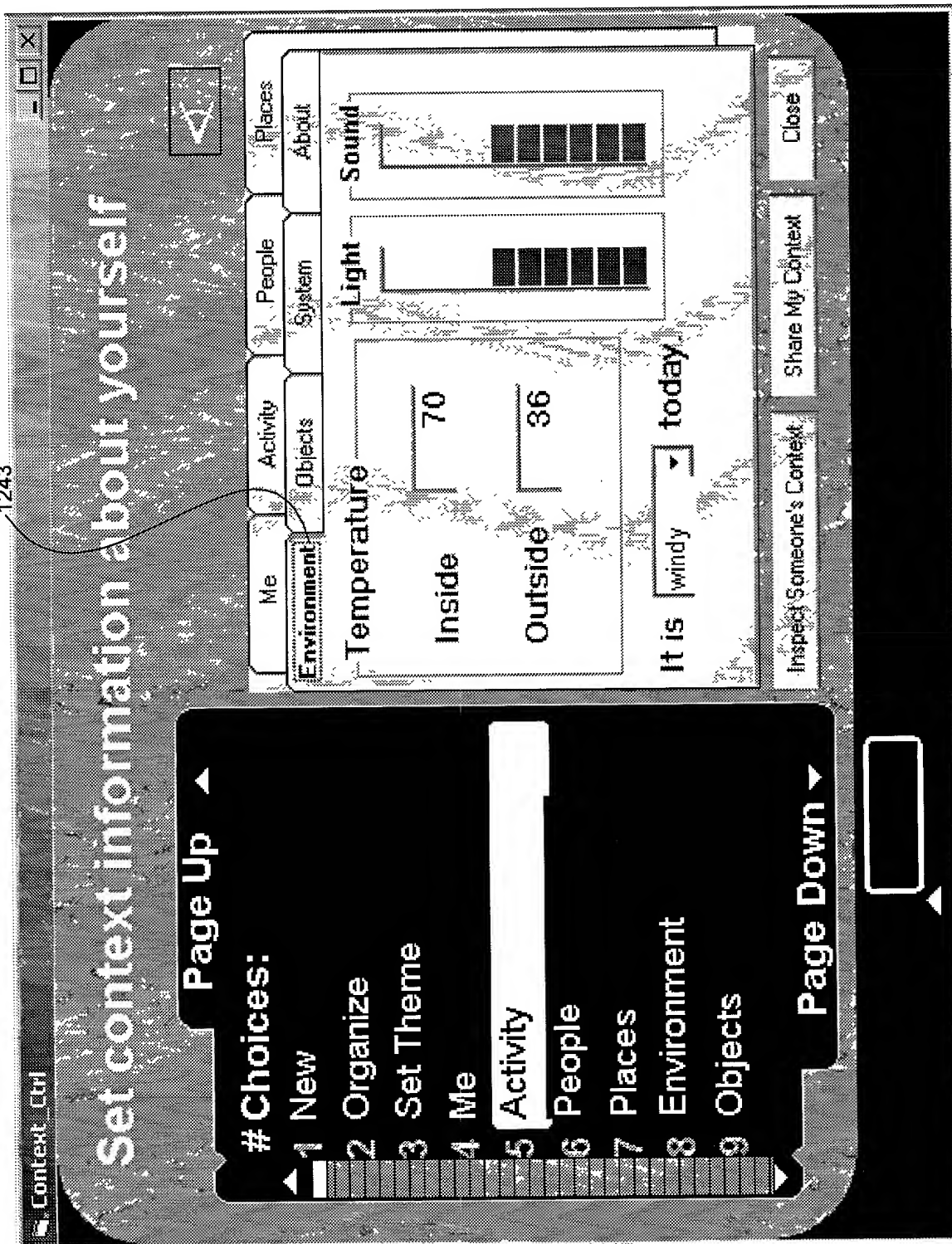


Fig. 12E

1244

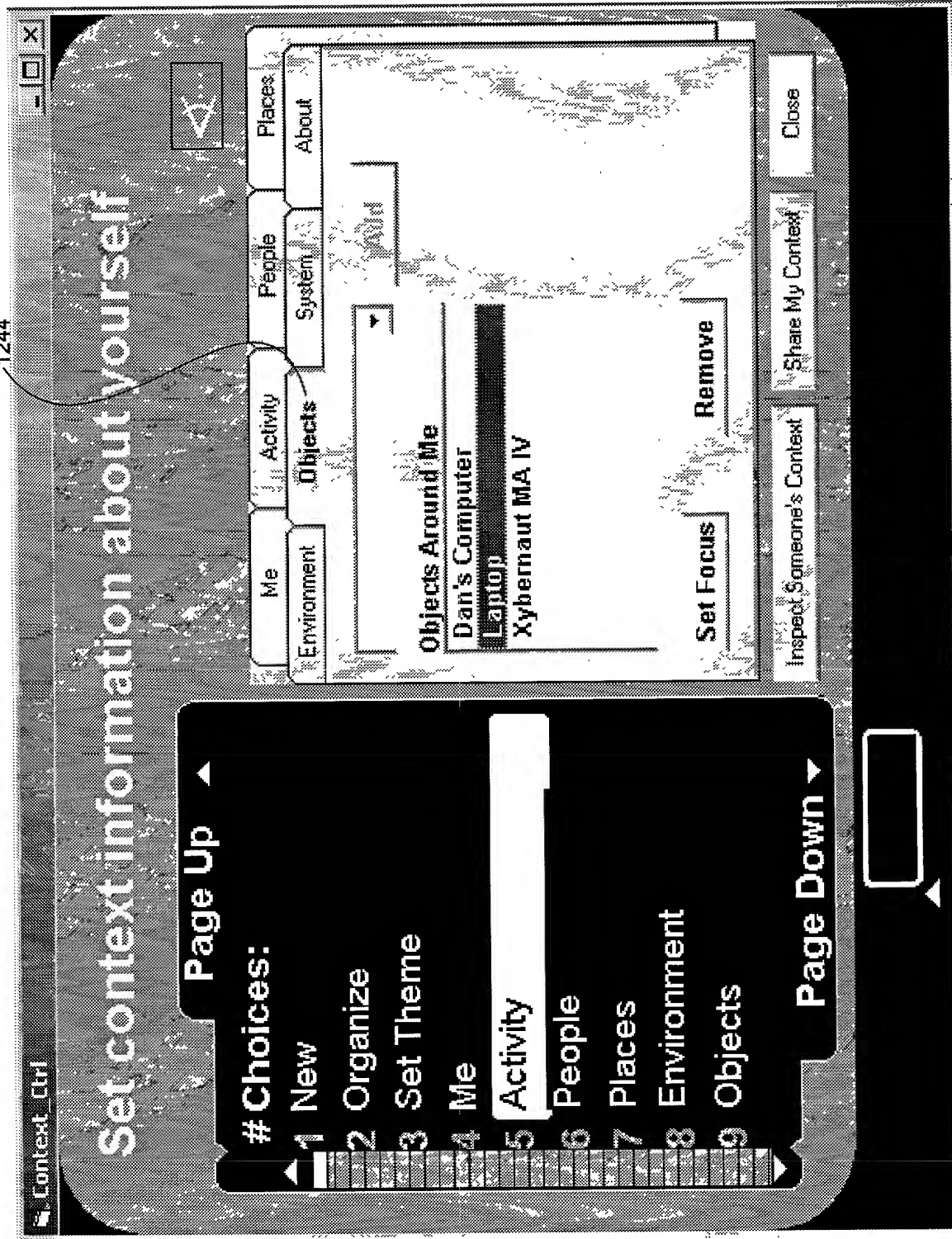


Fig. 12F

1245

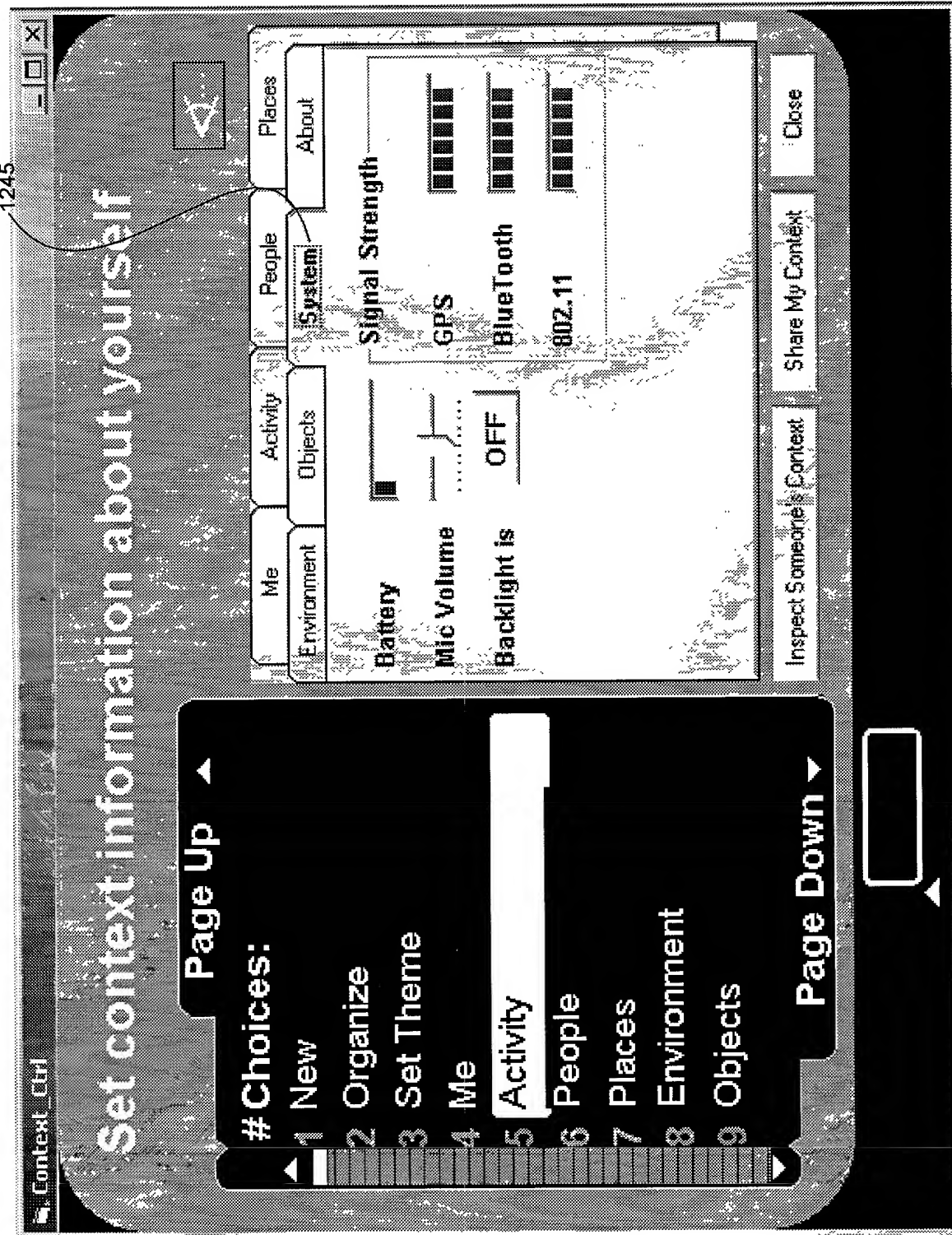


Fig. 12G



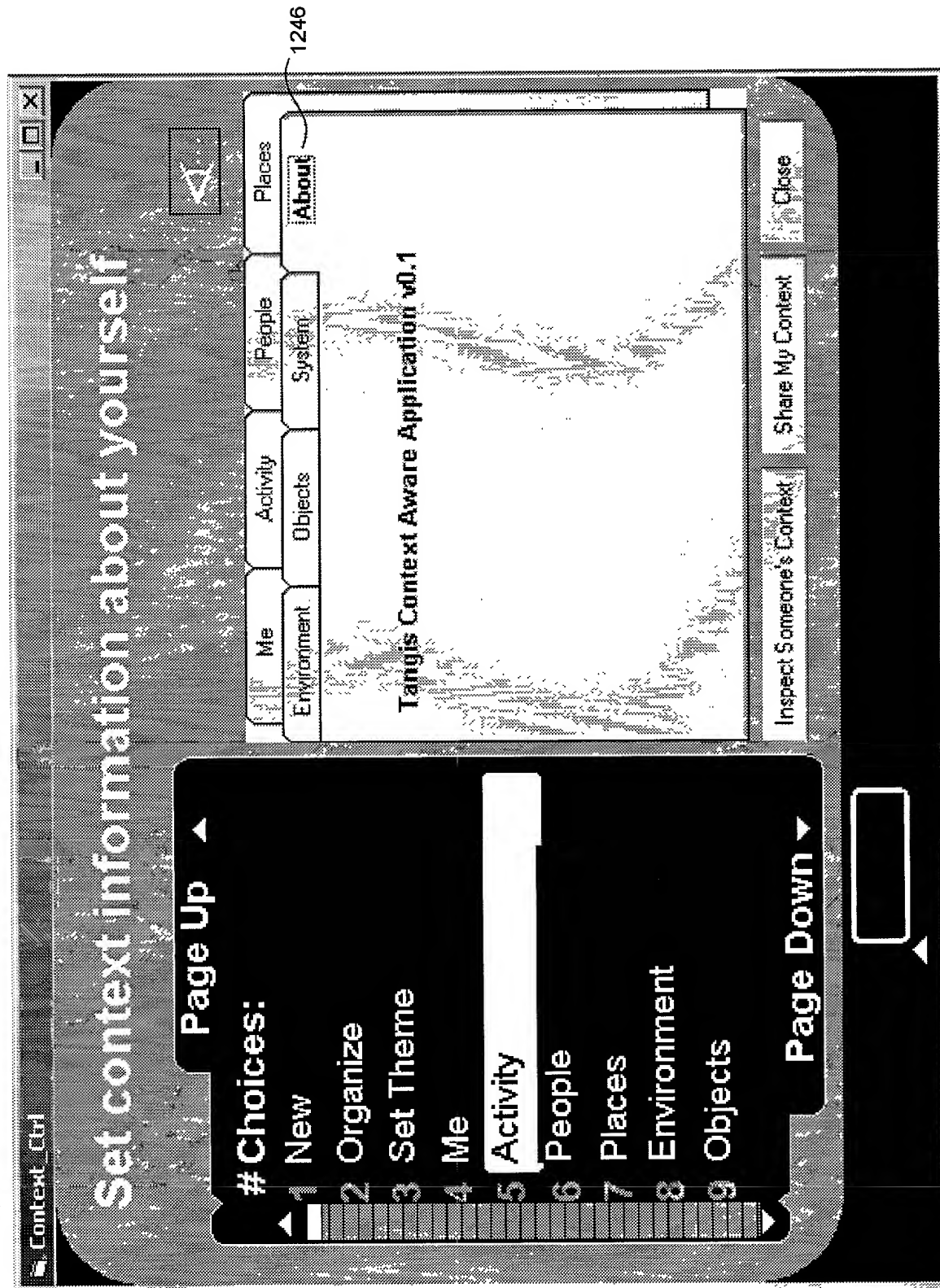
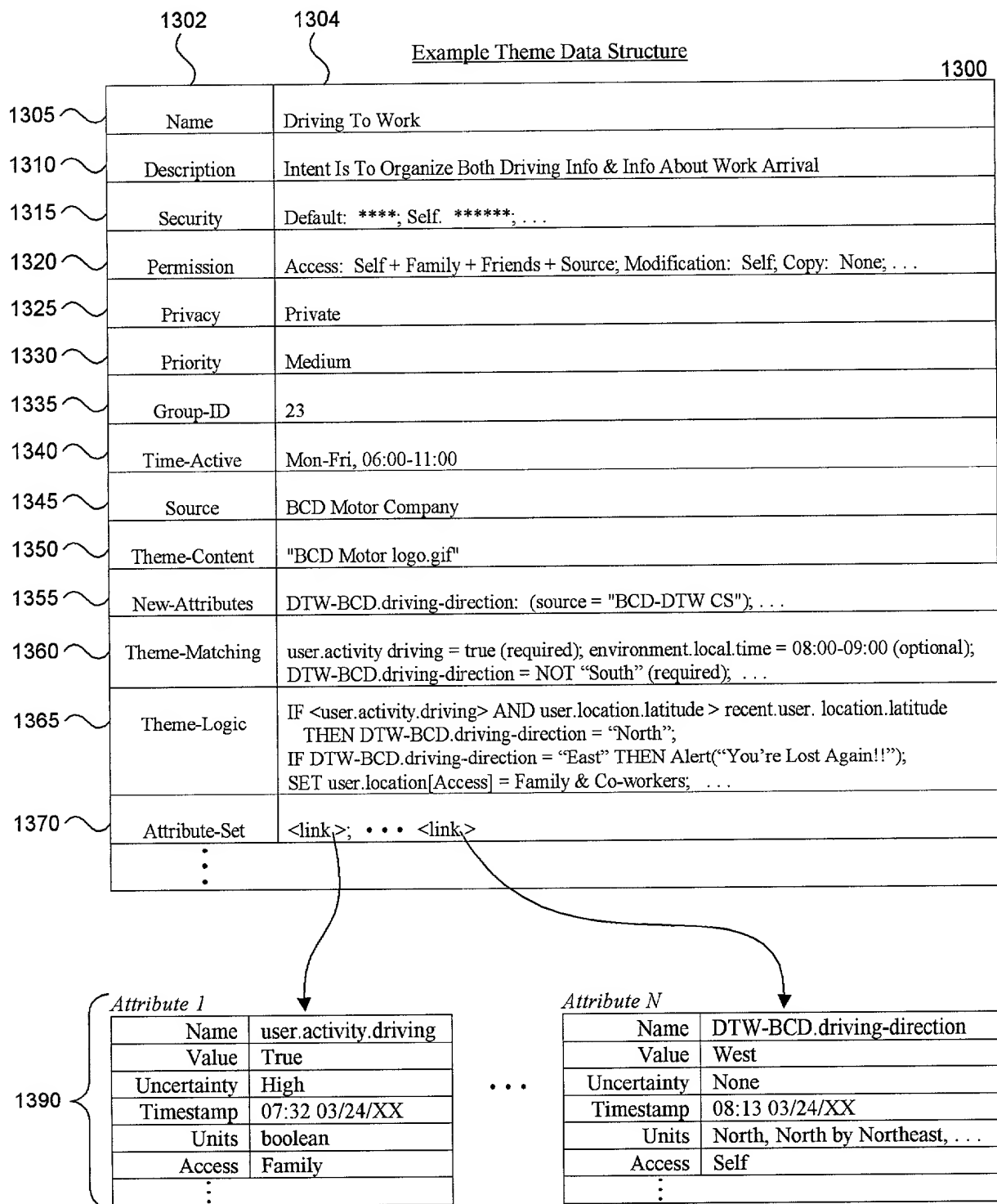


Fig. 12H



**Fig. 13**

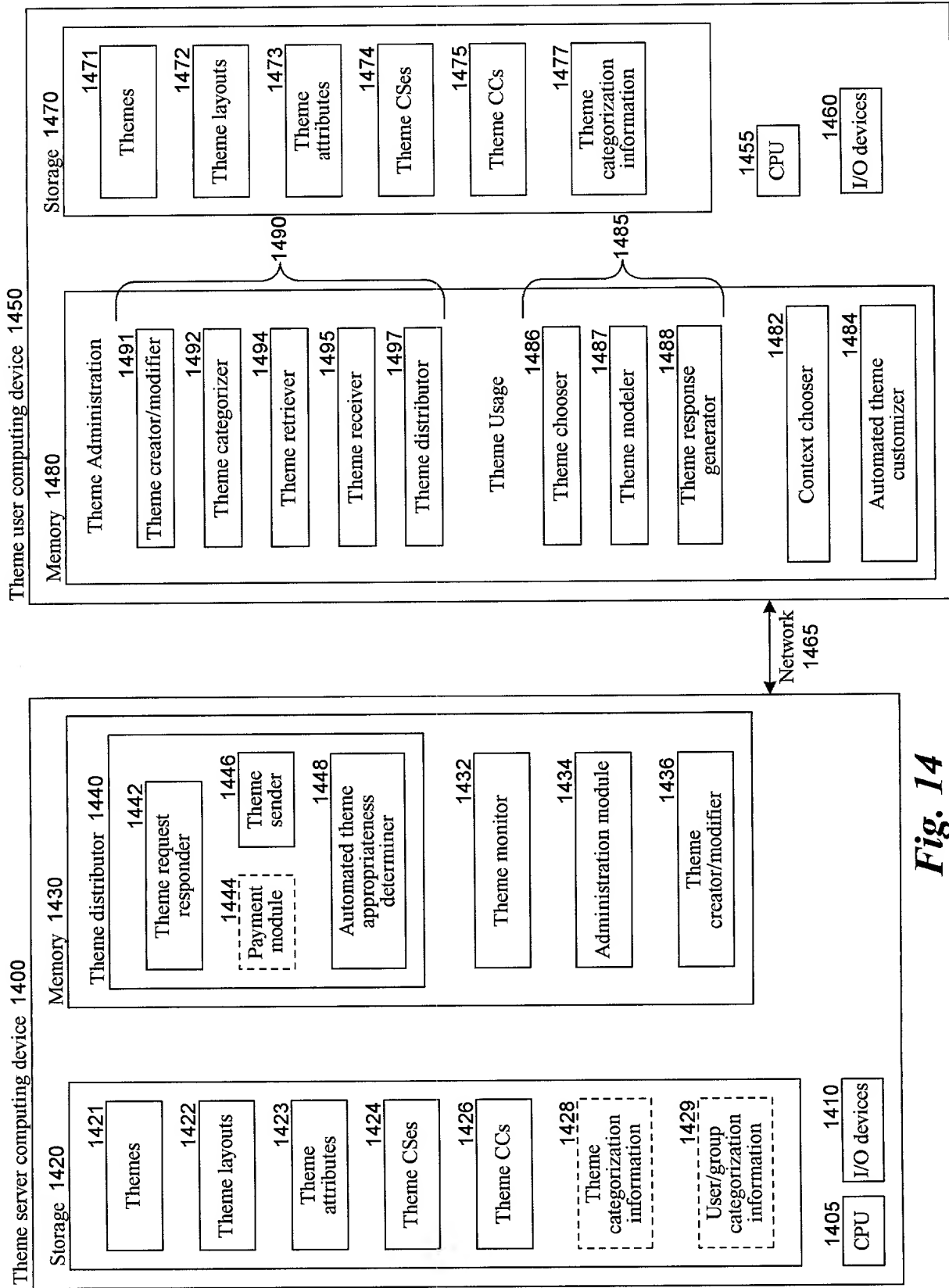
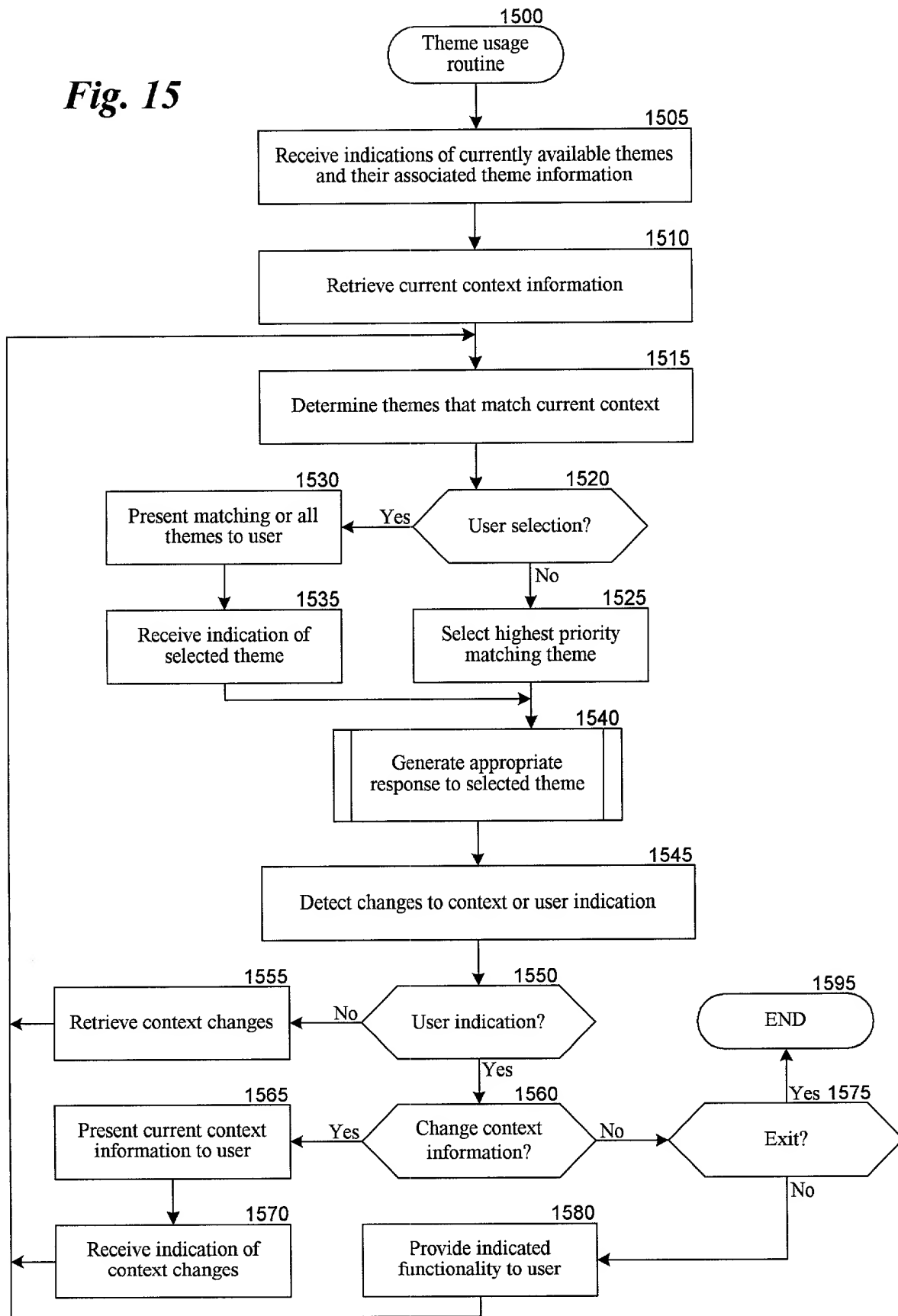


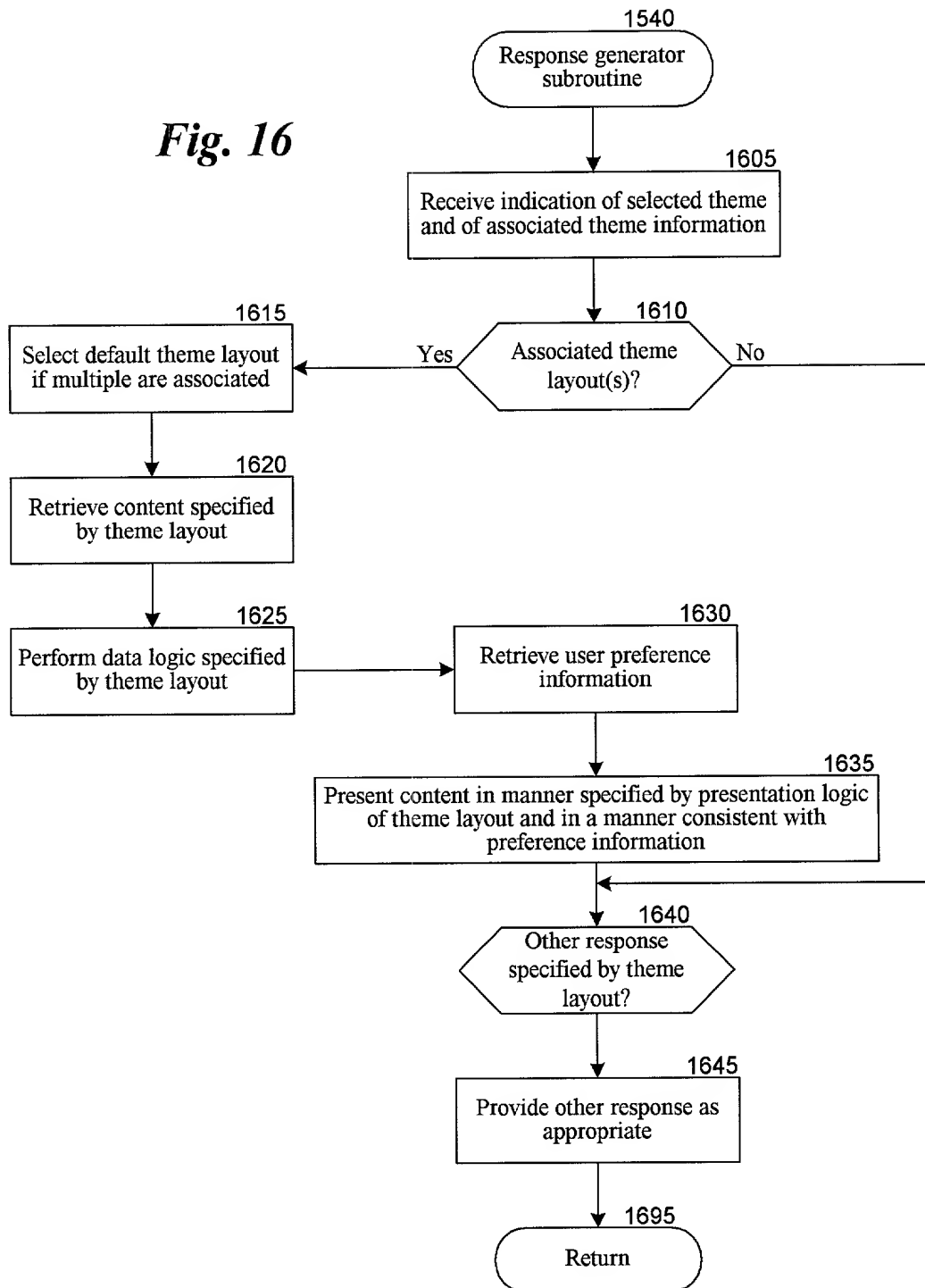
Fig. 14



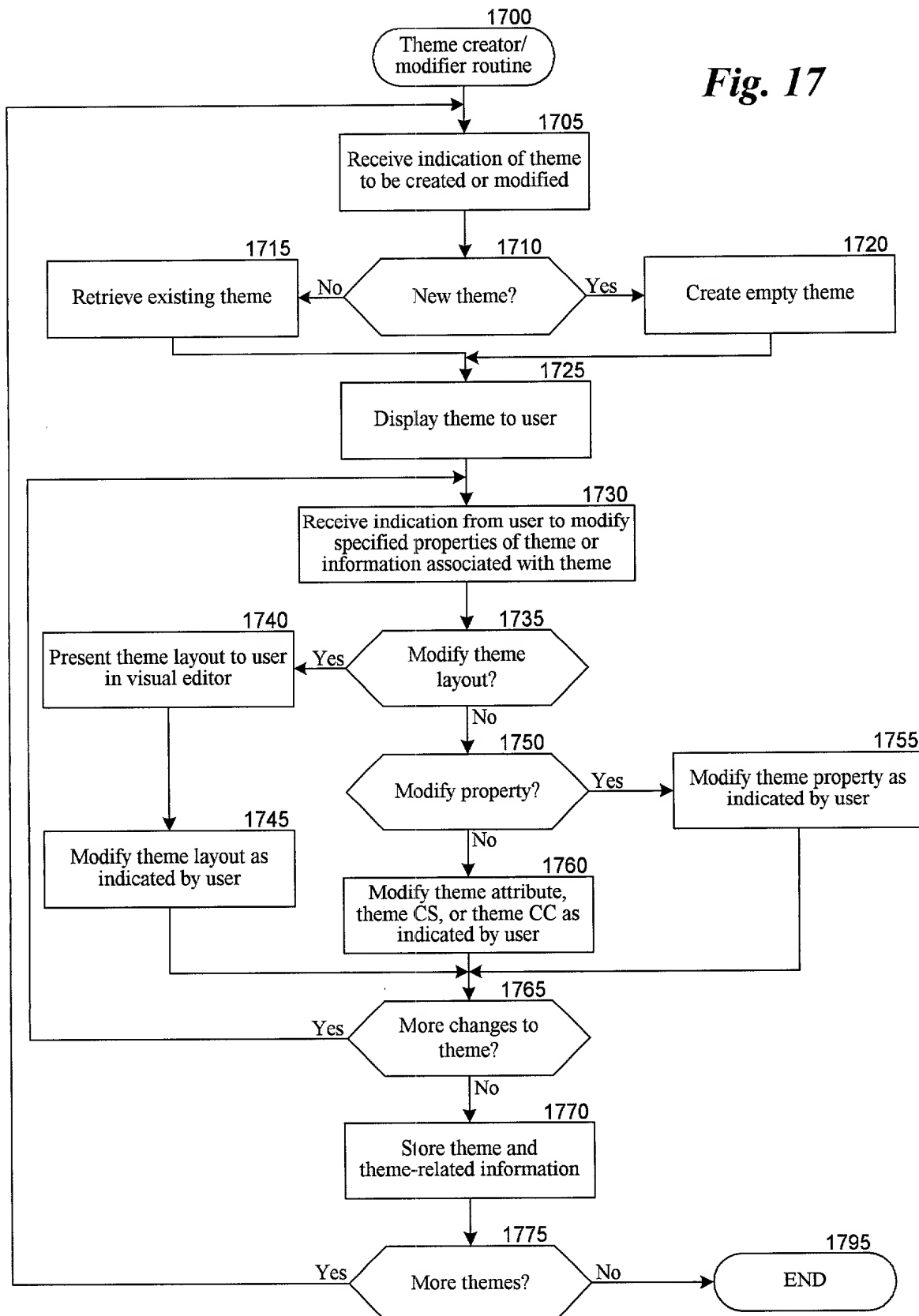
**Fig. 15**



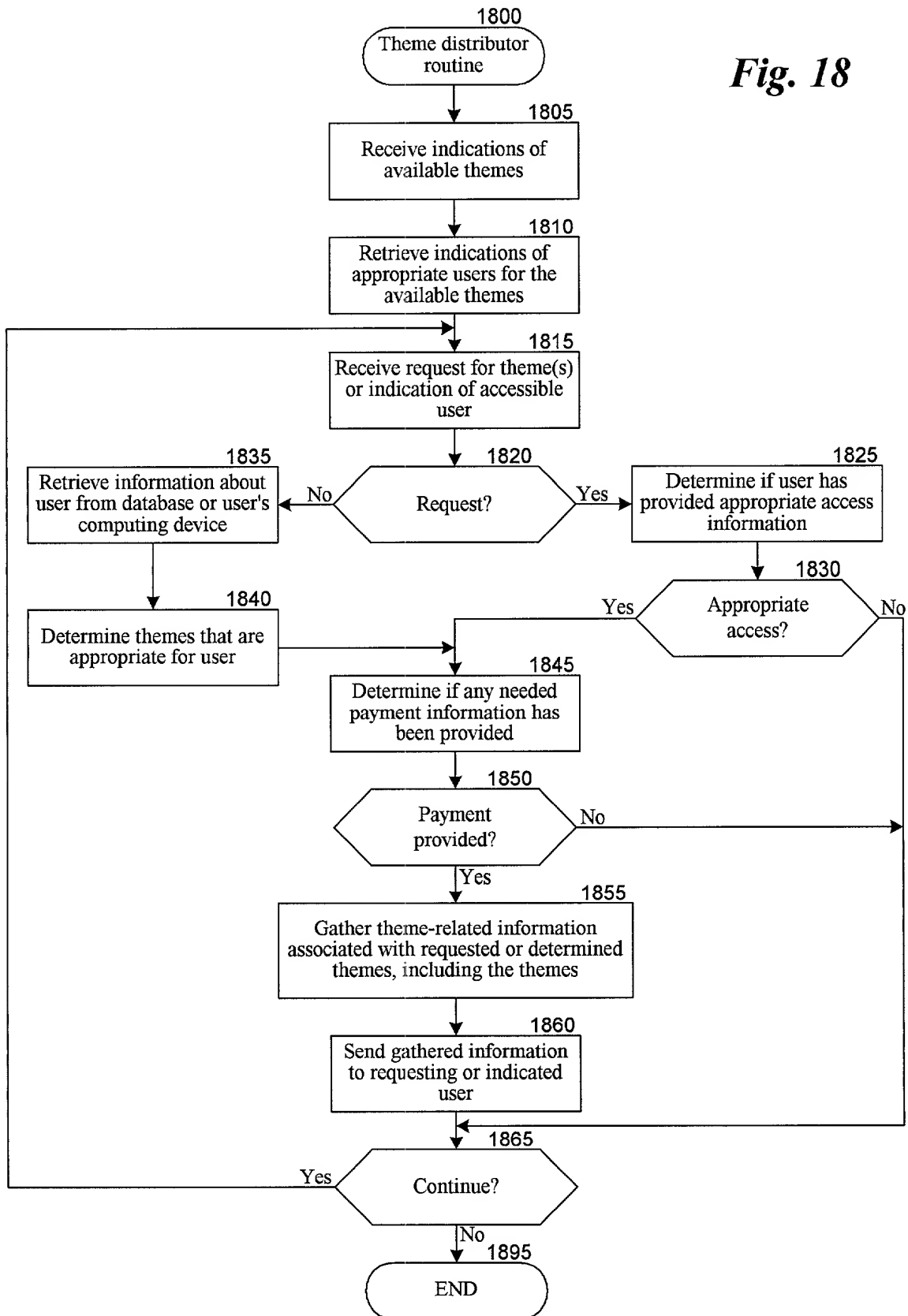
**Fig. 16**



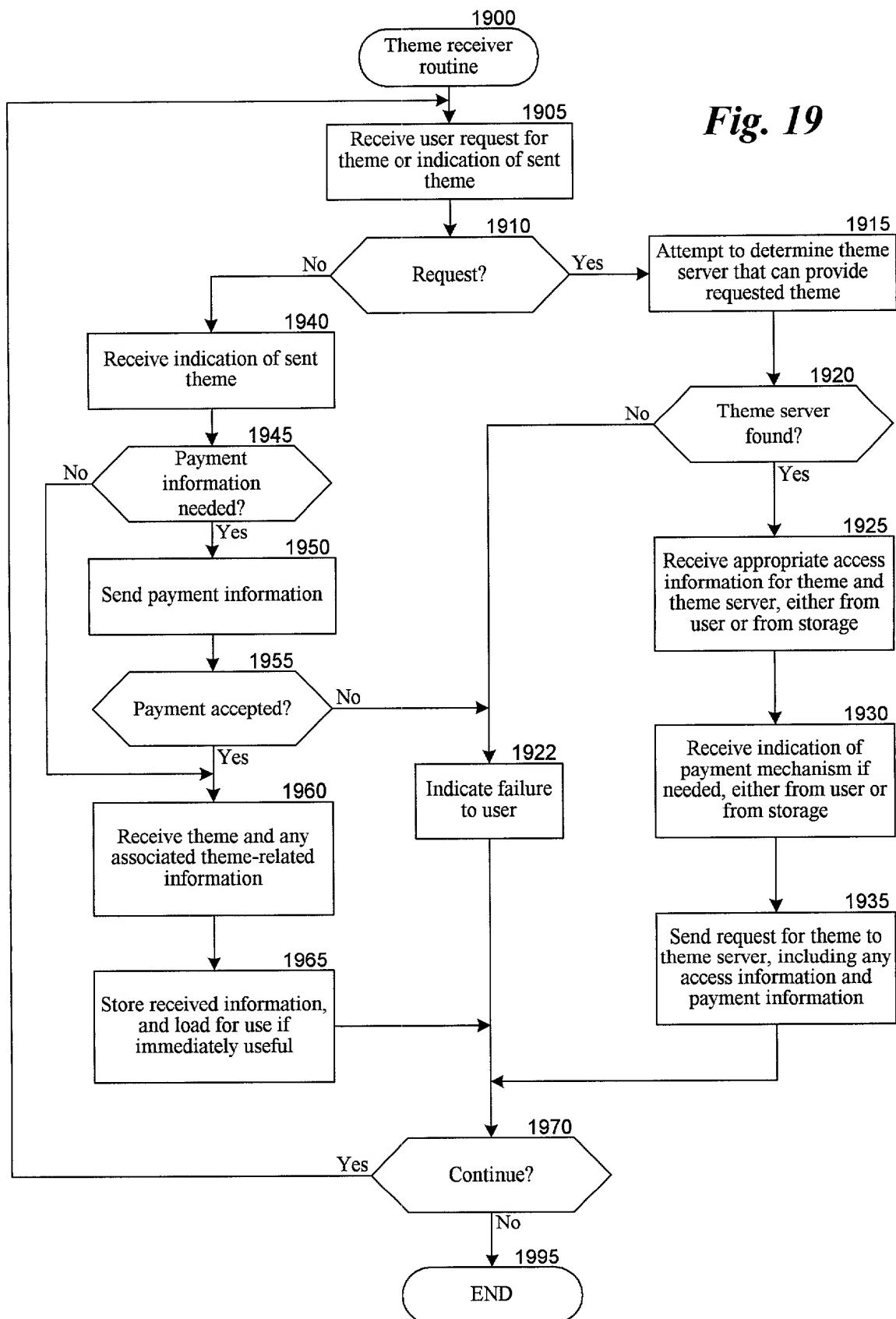
**Fig. 17**

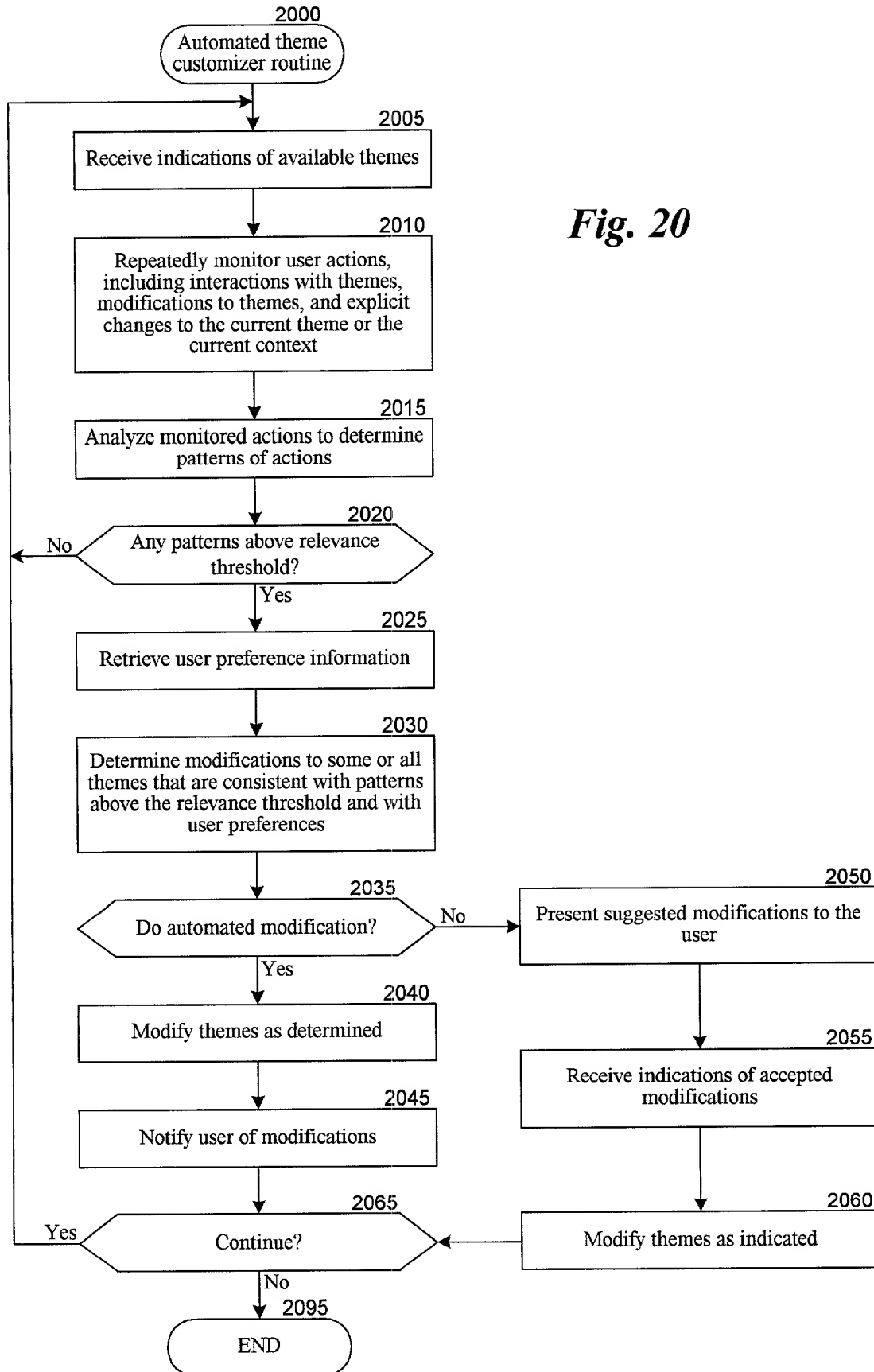


**Fig. 18**



**Fig. 19**





**Fig. 20**